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Title word cross-reference

- [BS94]. -City [BL84]. -curve [Han92].
-Inverses [Zlo91]. -Optimal [Tan93].
-Orthogonal [Hig03]. -person [Tij81].
-plane [Kei89]. -spaces [Gev82].
-U [Ber91a]. -Way [KK99].

#14107 [AR80].

- 1 [SRK99]. $A = B$ [PWZK97].
 $A = \text{tridiag}[-12 - 1]$ [Koh98a]. A_n [EH98].
 $\Delta U = e^U$ [BF96].
 $\Delta U = U^{(n+2)/(n-2)}$ [BF96]. h [BS94].
 H^∞ [Tan93]. $\int_0^\infty f(x) \log \left| \frac{x+1}{x-1} \right| dx$ [Sch62].
 J [Hig03]. k [KK99, Kei89]. L [Han92].
 l^p [Gev82]. N [BL84, Mei68, Tij81].
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 $P = ?NP$ [Boo94]. q [Par86].
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- 1 [PN99]. **19** [Gud78]. **1977** [Gud78].
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- 20** [AR80]. **21** [SW80]. **21st** [Sch93b].
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- 30** [Coh93]. **31** [Dea90, PC90]. **34** [Rob94b].
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- 58** [AR80, Fir97].

- 80h** [SW80]. **86f** [Mor86]. **89g** [Coh93].
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- TeB97, Tud90, Epp86, Lew83, Mic88, WMZ94]. **Model-Free** [TLN95]. **Modeling** [BGL01, CZ96, CGT⁺97, CL87, Jon92a, Ken91, Koc94, LLSN96, MQ95, Neu97a, PBL98, PMG95, PM87, Ram90a, Raz92, Sey93, SH96, Tud92, Yan91, Sin89, Sle83]. **Modelling** [PMK96a, Ant91, BvdGH95, Cum91, Cum92, DEPC95, FTM95, Far93, KCD⁺97, MT96, PMK96b, PCH98, She91, Log97]. **Models** [hASPL03, ABC⁺95, Bro90, BK87, CC96, Cha94c, CHO92, Cha00, Cof83, DL95, Dix91, Dur92b, Dur99, EK91, FTM95, GAM93, Hey93, HRM96, Jin91, Ken93, KS94, Lah94, MNZ93, McC92a, MHC01, Mea98, MA95, Pan93, Pri93, Ruk93, Sch91, Ser94, Ste01, Str86, BvdD78, Cla79a, Gar89, PI88, Set77]. **Modern** [Buc91, Hei95, KHS96, KLT03, Mor97, SZ96, Wil71, Pon83, You73]. **Modes** [Sez90]. **Modified** [Gol73]. **modular** [LS63]. **Moduli** [Tot91]. **Molding** [CGT⁺97]. **Molecular** [Neu97a, RMT⁺03]. **Moler** [Gup91]. **Mollification** [Bec94]. **Moments** [Ath94]. **Monastyrsky** [Wig90]. **Monge** [Urb93]. **Monge-Ampere** [Urb93]. **Monique** [Pao90]. **Monitoring** [GG95]. **Monotone** [GYS95]. **monotonicity** [Her88]. **Monte** [Slo93]. **Moore** [Zlo70]. **Moore-Penrose** [Zlo70]. **Mordcaai** [Bor90]. **Moritz** [Van94c]. **Morosanu** [Pic90]. **Morozow** [Eng94]. **Morphological** [HS96, Sta90]. **Morphology** [Hei95]. **Morrison** [Sey93]. **Morse** [Blu94]. **Mortensen** [Woo92]. **Morton** [Ram90a]. **Moscow** [Vas94]. **Mosteller** [Par92b]. **Motility** [Mah94]. **Motion** [HJ00, HLH03, Kni94, Pit93]. **Motions** [FF95, Mos66]. **motivation** [DM77]. **Motivational** [Ale95, Ale98]. **Moving** [BH96, ZD95]. **Moving-Grid** [ZD95]. **MR** [Win96, AR80, Coh93, Dea90, Lax89, Mor86, PC90, Rob94b, SW80]. **Mu** [Dur93b]. **Multi** [LLSN96, McC91b, Kel88a]. **Multi-Armed** [McC91b]. **multi-degree-of-freedom** [Kel88a]. **Multi-Link** [LLSN96]. **Multibody** [Ant90]. **Multiclass** [RMT⁺03]. **Multicultural** [Her93]. **multidegree** [Kel88b]. **Multidimensional** [BM93, KG95, Wit90]. **Multifrontal** [Liu92]. **Multigrid** [BH90, JMX96, Kin94b, SX96, Sul93, Ta'90]. **multilagged** [BK88]. **Multilevel** [KK99, RM95, SBGP98, Vas97, Wei91, EV91]. **Multiload** [BTKNZ00]. **Multiphase** [Coo91]. **Multiple** [AN83, Blu94, CC96, Edw00, Esl96, KWP95, RAB02, SJG96, Ypm83]. **Multiplication** [Col94b, Pan84]. **Multiplier** [Fer97, Lag97]. **Multipliers** [Roc93, Pon83]. **Multiply** [ET99]. **Multipole** [SP01]. **Multiresolution** [JS94]. **Multispecies** [Ole94]. **Multivalued** [Bre94]. **Multivariate** [DK97, FTM95, Gra93, Lin92, Ton88]. **Muni** [Ber92b]. **Murad** [Pel97]. **Murakami** [Cor92a]. **Murase** [Mah94]. **Murio** [Bec94]. **Murray** [KZ93, Bel90b]. **Murthy** [She91]. **Musical** [AW02]. **Mustafa** [Bal93]. **Myoung** [Kel92]. **Myshkis** [Dij90]. **N** [Dij90, Gla94, Hey97, Hor97, Jef94, Not94, Par90, Pro91, Sel94, She91, Whi94, Sik92, Eas93, Har93, Hor93, May91, Mil90, Mro91, Neu94, Ock91, Tul90]. **N-Body** [Eas93]. **N.** [Don90, Sym92]. **Nagaraja** [Hor93]. **Nagasawa** [Aeb94]. **Naito** [Cor92a]. **Nash** [Gup91, Shu90, Tij81]. **Natural** [CD94, Kee90, Kel88b, Koc92, WPL98]. **Nature** [Ste94]. **naval** [Man82]. **Navier** [Bea90, CS90, FC99, Pon90, Sul93, TF96]. **Navier-Stokes** [Bea90, CS90, Pon90, Sul93, TF96].

- Navigation** [Nie84, Kab93, Wol88].
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Neurosciences [Gus90]. **Neutral** [Sei93].
Nevanlinna [Han94].
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Nico [Olv97]. **Nicola** [Log97].
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Nino [Dim91]. **no** [AR80, Coh93, Dea90, For96, Gud78, Mac98a, Mor86, PC90, Rob94b, SW80, Win96]. **Noether** [SC81].
Noise [Mac91a].
Non [Cre97, JMJ95, Kem92, Maw93, Nit90, Pel97, Ruo90, Sta92, Ter82].
Non-Euclidean [Ter82].
Non-Gaussian [Pel97]. **Non-Life** [Ruo90].
Non-Linear [Cre97, Maw93, Nit90, Sta92].
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Non-Standard [JMJ95].
Nonautonomous [OHBG00].
noncooperative [Tij81].
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Nonparametric [Bic94, Pin92, Sha97b].
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Nonrenewable [CD94].
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Nosov [Rox92].
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- BB88]. **Numerical** [Ale95, Ale98, Bec94, Bir83, Bos96, Boy90, Cam91b, Che91, Cia92, CLH97, Cul94, CS90, DO98, Dev90, Dun94, ERHO95, EMUP98, Faz98, GG99, GVL97, Gea81, GP79, GRL98, Gup91, Hig01, Hul67, IL97, Joh91, KK98, Ker92, Kij93, Kin94a, Kin97, KPGR95, KPSP96, KZ93, LR00, LBL02, McA94, MOSK97, MK97, Nas90, Nie94b, Pav94, Pfl92, Pit91, PA95, RSTK97, Sai91, SCS95, Sco94, SG95, Sha97a, Sik92, Slo97, Sma90, Sny97, Ste81a, Ste97, SH94, TeB97, Tot91, TS90, Tul90, Van94a, Wat86, Wil93, Amo78, Cod74, Hel78, bCJ71, Rab68, Ral65, Var79, You73, Yan94].
- Numerically** [Far93]. **numerics** [Ale85].
- Nurnberger** [Jet91].
- O** [Abr94, Dev90, McC91a, Ben95].
- O.** [Cuv90, Dev92, Dix91].
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- oceans** [Nie84]. **Odd** [Nie94a, Wat96].
- Odd-Even** [Nie94a]. **ODE** [Dar97, Mea98].
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- old** [Bra81]. **Olderog** [Mit93].
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- One** [Bol91b, CFG95, Kin88, Mac92, dMvSB95, Pro87, Thu01, BB83]. **One-Dimensional** [Thu01, dMvSB95, BB83].
- One-way** [Kin88]. **Online** [JCG⁺02].
- onto** [Pea82]. **open** [Ram88, Rus78].
- Operations** [Ng94, Coh88, Coh93, Dor75].
- Operator** [JMH95, KM96, Moo78].
- Operator-Limit** [JMH95].
- Operators** [Con97, CT96, EKS97, Fig93, FR66, HK92, HS96, Mey93, RL95, Smo91, Tre97, Uri92, YT95, Cha81, KKS82, Man82, Ste61, Hel97, Tay97].
- Optical** [LBL02, Pim93]. **Optics** [War92].
- Optimal** [CD94, Che91, Cla79b, JCG⁺02, Eub88, Fle90, Fri79a, Gan98, Goo91b, Hau90, HM01, Joh91, KG98, LmYS96, NN96, Pea82, Rox90, SV95, Tan93, Yan97, HSV95, Hau81, Lew83, Pac88, Pol73, San87, Set77].
- Optimality** [Art92, Fin93, MHC01, Mro91, Roc93, JP89]. **Optimisation** [Nas90].
- Optimization** [Al-90, AKP91a, AKP93, Art91, Bla97, Bla90, Bom02, BS98, BGL01, CWW99, DL95, Don90, DX98, Esl93, FGW02, HMK96, Ker91, KLT03, KZ93, Mro91, Naz94, Par94, Pol87, Pow86, SF97, Sym92, Tze91, Wet93, Zim90, Fis88a, Hue91, Wol81, Cia92].
- Optimizing** [Bel86, SFOM99, VS95].
- Optimum** [Hul67, Not94, Pet97].
- Option** [Hig02]. **Options** [CD03, Kri97].
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- Ordered** [Fis93].
- Ordering** [Jaf84, OLHB02, GL89].
- Orders** [Alh96, SST95]. **Ordinary** [Ale90, Cam93, Cha94a, DO98, Dan93, Deu85, Eas91, GL98, Hul67, Jac97, Kla97, MMS98, OL98, SG95, Sle92, TS90, Was94b, Gea81, Kra80, Ral65, SWD76, SG79, Smi88].
- Oriented** [Dur97, Hug93, Whi94, Geo71].
- Origin** [Gre97]. **Orr** [Her87].
- Orr-Sommerfeld** [Her87].
- Orthogonal** [Gar00, Hig03, RFS03, Wah03].
- Oscillation** [BBKV96, EKZA96, Sei93].
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- oscillator** [CM91]. **Oscillatory** [Kev87].
- O'Shea** [Som93]. **Other** [And90, Boo94].
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- outstanding** [Cas80]. **overdamped** [WS75].
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- Owen** [Art92]. **own** [Pon83].
- oxygen** [Epp86]. **Ozorio** [Stu90].
- P** [Ale90, Bak91b, Bak92, Che91, Dup93,

- Far94, Hig92, Lou92, Mla94, Roy91, Sei93, Ser94, She91, Shi93, Ste90a, Ta'90, Tut94, Van93, Wan91, Yan92, Yan94, Cas94, Gua92, Ham90, Ral93, Sch93b].
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- PB96, Shi94, Sie90, SF97, Kus76, Mos92, Ram88, Gut97].
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Wavelets [Ber92a, Bre93, Gar94, Hei93b, KF95, Roc92, Str89, UB00, Wal93, Wic94, Wal97]. **Waves** [Ame91, AHP⁺95, Bal97, Caf92, Col84, HSSZ98, KT92, KCD⁺97, Mor97, Ren97, Ter93, Wei90, CM89, Kin88, LM79, Shi97]. **Way** [KK99, Kin88, Mas92].
Ways [Hig02, ML03, Vas97, MV78].
Weak [Bry93]. **Weakly** [WMZ94].
Weaver [Kel90b]. **Wechsler** [Roy93].
Weights [For98]. **Weinmann** [KS94].
Weispfenning [Stu94]. **Well** [BDvD⁺98].
Well-Solvable [BDvD⁺98].
Wellner [Bic94]. **Wendell** [Men94].
Werner [Ruo92]. **Werschulz** [Was94a].
Wet [BFF⁺99]. **Wheeler** [Bro93].
Where [CU03].
which [Kra80, OW95, Qui87, Smi88].
White [Orl93, Whi94]. **Whiteman** [Mal90].
Whittaker [Ste81a]. **Wiener** [Asm98].
Willem [Laz91]. **Willems** [Die92].
Willi [Chu94]. **Willi-Hans** [Chu94].
William [Ber93, Cyb93, Koc94, Fis93, Hin91, Man90a]. **Williams** [Mla94].
Wim [Lea94].
Wind [PMK96b, Win93, PMK96a, Win96].
Windows [BGL01]. **Wine** [BFF⁺99].
Wing [McG93]. **within** [CS84].
without [O'M92]. **WKB** [MH96].
Wold [Pap85].
Wolfgang [Ruo92, Slo97, Pin92].
Wolfram [Nit90, Wes92]. **Wolper** [For96].
Wolsey [Bla90]. **Wood** [Arn92, Cor92b].
Work [BM03, Hau81].
Workbook [Ken91, Koc94]. **World** [Fee00, FLC96, Mor85, Mor86, Len93a].
Wozniakowski [Nov94]. **wrapped** [MT84].
Wright [KZ93, Par94]. **Writing** [Bra94].
Wuensche [Hur93].
- X.** [Kus93]. **Xiang** [Ath93].

Xiang-qun [Ath93].

Y. [Cam93, Els91, Fen94, Ye94].
Ya [Bak91b, Bak92, Mey94].
Yakov [Pan93, Sha97b].
Yakubovich [Aga93]. **Yang** [Ath93].
Year [Bla97]. **Years** [Dur93a, ML03].
Yor [Pit93]. **Youcef** [Cul94].
Yu [Daa97, Haa93, Coh90]. **Yuri** [Ock91].
Yves [Gar94, Ric90b, Wic94].

Z [Bry93, Tad93]. **Z.** [Tad93]. **Zahlten** [Dev92].
Zahrt [McG93]. **Zaitsev** [Kla97]. **Zakharev** [Dei92]. **Zang** [Bor90]. **Zaslavsky** [Bry93]. **Zeitouni** [Din94].
Zenisek [Wah92]. **Zero** [EBTZ94, Wit90, Ypm83]. **Zero-Crossings** [Wit90]. **Zeros** [BK99, FO99]. **Zeytounian** [Yan91].
Zharinov [Olv93]. **Ziegler** [Red93, Whi94].
Zilinskas [AKP93]. **Zisserman** [Ran91]. **Zweidimensionale** [Alf93].
Zwilliger [Lat90]. **Zwillinger** [Hin94]. **Zyckowski** [Tad93].

References

Alzer:1997:PIP

[AB97] Horst Alzer and Joel Benner. Problems: An inequality (problem 97-1). *SIAM Review*, 39(1):123, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Abed:1988:SPS

[Abe88] Eyad H. Abed. A simple proof of stability on the center manifold for Hopf bifurcation. *SIAM Review*, 30(3):487–491, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

[ABG⁺95]

[Abr94]

[ABS95]

[Ada91]

[Ada97]

Andersen:1995:SMB

P. K. Andersen, O. Borga, R. D. Gill, N. Keiding, and Ian W. McKeague. Statistical models based on counting processes. *SIAM Review*, 37(3):475–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Abraham:1994:ECJ

R. H. Abraham. Encounter with chaos (J. Peinke, J. Parisi, O. E. Roessler, and R. Stoop). *SIAM Review*, 36(2):288–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Anosov:1995:RP

D. V. Anosov, A. A. Bolibruch, and Yasutaka Sibuya. The Riemann-Hilbert problem. *SIAM Review*, 37(4):637–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Adam:1991:ACT

John A. Adam. Activator-inhibitor control of tissue growth. *SIAM Review*, 33(3):462–466, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Adamchik:1997:SIA

Victor Adamchik. Solutions: An integral arising in the study of a random graph (problem 96-1) (Tae Chalker). *SIAM Review*, 39

- (1):135–136, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Aga93]
- Adomaitis:1989:KBT**
- [Ado89] Raymond A. Adomaitis. Kites and bifurcation theory. *SIAM Review*, 31(3):478–483, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Aebi:1994:SED**
- [Aeb94] R. Aebi. Schrödinger equations and diffusion theory (Masao Nagasawa). *SIAM Review*, 36(2):288–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Allgower:1980:SCM**
- [AG80] Eugene Allgower and Kurt Georg. Simplicial and continuation methods for approximating fixed points and solutions to systems of equations. *SIAM Review*, 22(1):28–85, January 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Aldroubi:2001:NSR**
- [AG01] Akram Aldroubi and Karlheinz Gröchenig. Nonuniform sampling and reconstruction in shift-invariant spaces. *SIAM Review*, 43(4):585–620, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38698>.
- Agarwal:1993:DMT**
- Ravi P. Agarwal. The double Mellin-Barnes type integrals and their applications to convolution theory (Nguyen Thanh Hai and S. B. Yakubovich). *SIAM Review*, 35(4):652–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Agarwal:1994:CNI**
- R. P. Agarwal. Classical and new inequalities in analysis (D. S. Mitrinovic, J. E. Pecaric, and A. M. Fink). *SIAM Review*, 36(2):290–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Al-Hussaini:1995:UPT**
- A. N. Al-Hussaini. A unified proof of two theorems in statistics. *SIAM Review*, 37(4):596–597, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/27305.htm>.
- Axelsson:1995:ISM**
- Owe Axelsson and Martin Hanke. Iterative solution methods. *SIAM Review*, 37(3):466–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ahlfors:1961:CCA**
- L. V. Ahlfors. Classical and contemporary analysis. *SIAM Review*, 3(1):1–9, ????, 1961. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ahl61**

- DEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ahlbrandt:1993:ICV**
- [Ahl93] Calvin D. Ahlbrandt. Introduction to the calculus of variations (U. Brechtken-Manderscheid). *SIAM Review*, 35(3):506–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anile:1995:RMN**
- [AHP⁺95] A. M. Anile, J. K. Hunter, P. Pantano, G. Russo, and Jeffrey Rauch. Ray methods for nonlinear waves in fluids and plasmas. *SIAM Review*, 37(1):136–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Aizicovici:1994:AEE**
- [Aiz94] S. Aizicovici. Abstract evolution equations, periodic problems and applications (Daniel Daners and Pablo Koch Medina). *SIAM Review*, 36(2):289–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Al-Khayyal:1991:NCM**
- [AKP91a] Faiz Al-Khayyal and Panos Pardalos. New computer methods for global optimization (H. Ratschek and J. Rokne). *SIAM Review*, 33(4):684–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Asch:1991:FCR**
- [AKP⁺91b] M. Asch, W. Kohler, G. Papanicolaou, M. Postel, and B. White. Frequency content of randomly scattered signals. *SIAM Review*, 33(4):519–625, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Al-Khayyal:1993:GOA**
- [AKP93] Faiz A. Al-Khayyal and Panos M. Pardalos. Global optimization (Aimo Torn and Antanas Zilinskas). *SIAM Review*, 35(3):509–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Al-Khayyal:1990:CGO**
- Faiz Al-Khayyal. Constrained global optimization: Algorithms and applications (P. M. Pardalos and J. B. Rosen). *SIAM Review*, 32(2):310–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Alexander:1985:NCG**
- J. C. Alexander. The numerics of computing geodetic ellipsoids. *SIAM Review*, 27(2):241–247, June 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Alexander:1990:SOD**
- Roger Alexander. Solving ordinary differential equations I: Nonstiff problems (E. Hairer, S. P. Norsett, and G. Wanner). *SIAM Review*, 32(3):
- [Ale85]
- [Al-90]
- [Ale90]

- 485–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Alessandrini:1995:MEN**
- [Ale95] Stephen M. Alessandrini. A motivational example for the numerical solution of two-point boundary-value problems. *SIAM Review*, 37(3):423–427, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/27318.htm>.
- Alessandrini:1998:MEN**
- [Ale98] Stephen M. Alessandrini. A motivational example for the numerical solution of the algebraic eigenvalue problem. *SIAM Review*, 40(4):935–940, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/32835>.
- Alfeld:1993:ZSH**
- [Alf93] Peter Alfeld. Zweidimensionale Spline-Interpolation-Algorithmen (H. Späth). *SIAM Review*, 35(3):507–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Alhargan:1996:CMC**
- [Alh96] Fayed A. Alhargan. A complete method for the computations of Mathieu characteristic numbers of integer orders. *SIAM Review*, 38(2):239–255, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Alspach:1992:ICA**
- [Als92] Brian Alspach. An introduction to combinatorics (Alan Slomson). *SIAM Review*, 34(4):662–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ames:1991:RPI**
- [Ame91] W. F. Ames. The Riemann problem and interaction of waves in gas dynamics (Tung Chang and Ling Hsiao). *SIAM Review*, 33(1):129–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Amos:1978:ESC**
- [Amo78] Donald E. Amos. Evaluation of some cumulative distribution functions by numerical quadrature. *SIAM Review*, 20(4):778–800, October 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ahuja:1991:SRA**
- [AMO91] Ravindra K. Ahuja, Thomas L. Magnanti, and James B. Orlin. Some recent advances in network flows. *SIAM Review*, 33(2):175–219, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ahuja:1995:NF**
- [AMOB95] R. K. Ahuja, T. L. Magnanti, J. B. Orlin, and Michael O. Ball. Network flows. *SIAM Review*,

- [AMSD02] P.-A. Absil, R. Mahony, R. Sepulchre, and P. Van Dooren. A Grassmann–Rayleigh quotient iteration for computing invariant subspaces. *SIAM Review*, 44(1):57–73, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37864>. **Absil:2002:GRQ**
- [AN83] O. R. Asfar and A. H. Nayfeh. The application of the method of multiple scales to wave propagation in periodic structures. *SIAM Review*, 25(4):455–480, October 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Asfar:1983:AMM**
- [And74] George E. Andrews. Applications of basic hypergeometric functions. *SIAM Review*, 16(??):441–484, ???? 1974. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Andrews:1974:ABH**
- [And90] Stuart L. Anderson. Random number generators on vector supercomputers and other advanced architectures. *SIAM Review*, 32(2):221–251, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Anderson:1990:RNG**
- [And98] Alan L. Andrew. Classroom note: Centrosymmetric matrices. *SIAM Review*, 40(3):697–698, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32834>. **Andrew:1998:CNC**
- [Ang90] John E. Angus. Generalization of the “universal pivot function” and its use in constructing confidence intervals and sets. *SIAM Review*, 32(4):667–670, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Angus:1990:GPF**
- [Ang92a] John E. Angus. An alternative derivation of asymptotic normality for sample quantiles. *SIAM Review*, 34(2):304–306, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Angus:1992:ADA**
- [Ang92b] John E. Angus. Some bounds on the error in approximating transition probabilities in continuous-time Markov processes. *SIAM Review*, 34(1):110–113, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Angus:1992:SBE**
- [Ang94] John E. Angus. The probability integral transform and related **Angus:1994:PIT**

- results. *SIAM Review*, 36(4):652–654, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/26453.htm>. [Ano95a]
- Angus:1997:CNI**
- [Ang97] John E. Angus. Classroom note: The inspection paradox inequality. *SIAM Review*, 39(1):95–97, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29298; http://www.siam.org/journals/sirev/sirev391.htm>. [Ano95b]
- Anishev:1982:RPN**
- [Ani82] P. A. Anishev. Reduction of Petri nets. (Russian). *SIAM Review*, 24(1):41–54, 111, January 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ano95c]
- Anonymous:1993:TCO**
- [Ano93] Anonymous. Transition to chaos: The orbit diagram and the Mandelbrot set, with Robert L. Devaney and Hassan Aref. *SIAM Review*, 35(2):308–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ano95d]
- Anonymous:1994:GST**
- [Ano94] Anonymous. Geometric statistics in turbulence. *SIAM Review*, 36(1):73–98, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ano95e]
- URL <http://pubs.siam.org/24714.htm>. [Ano95f]
- Anonymous:1995:Ca**
- Anonymous. Chronicle. *SIAM Review*, 37(1):142–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ano95g]
- Anonymous:1995:Cb**
- Anonymous. Chronicle. *SIAM Review*, 37(2):288–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ano95h]
- Anonymous:1995:Cc**
- Anonymous. Chronicle. *SIAM Review*, 37(3):486–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ano95i]
- Anonymous:1995:Cd**
- Anonymous. Chronicle. *SIAM Review*, 37(4):644–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ano95j]
- Anonymous:1995:LEa**
- Anonymous. Later editions. *SIAM Review*, 37(2):286–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ano95k]
- Anonymous:1995:LEb**
- Anonymous. Later editions. *SIAM Review*, 37(3):484–??, September 1995. CODEN

- SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1995:LEc**
- [Ano95g] Anonymous. Later editions. *SIAM Review*, 37(4):643–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1995:PSa**
- [Ano95h] Anonymous. Problems and solutions. *SIAM Review*, 37(1):98–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1995:PSc**
- [Ano95i] Anonymous. Problems and solutions. *SIAM Review*, 37(3):439–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1995:PSd**
- [Ano95j] Anonymous. Problems and solutions. *SIAM Review*, 37(4):608–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1995:SCa**
- [Ano95k] Anonymous. Selected collections. *SIAM Review*, 37(1):139–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1995:SCb**
- [Ano95l] Anonymous. Selected collections. *SIAM Review*, 37(2):282–??, June 1995. CODEN SIREAD.
- ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1995:SCc**
- [Ano95m] Anonymous. Selected collections. *SIAM Review*, 37(3):481–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1995:SCd**
- [Ano95n] Anonymous. Selected collections. *SIAM Review*, 37(4):641–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:CPS**
- [Ano96a] Anonymous. Changes planned for SIAM Review. *SIAM Review*, 38(4):vii–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:Ca**
- [Ano96b] Anonymous. Chronicle. *SIAM Review*, 38(1):185–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:Cb**
- [Ano96c] Anonymous. Chronicle. *SIAM Review*, 38(2):359–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:Cc**
- [Ano96d] Anonymous. Chronicle. *SIAM Review*, 38(3):547–??, September 1996. CODEN SIREAD.

- ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:Cd**
- [Ano96e] Anonymous. Chronicle. *SIAM Review*, 38(4):716-??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:LEa**
- [Ano96f] Anonymous. Later editions. *SIAM Review*, 38(2):357-??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:LEb**
- [Ano96g] Anonymous. Later editions. *SIAM Review*, 38(3):546-??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:PSa**
- [Ano96h] Anonymous. Problems and solutions. *SIAM Review*, 38(1):146-??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:PSb**
- [Ano96i] Anonymous. Problems and solutions. *SIAM Review*, 38(2):313-??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:PSc**
- [Ano96j] Anonymous. Problems and solutions. *SIAM Review*, 38(3):513-??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:PSd**
- [Ano96k] Anonymous. Problems and solutions. *SIAM Review*, 38(4):668-??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:SCa**
- [Ano96l] Anonymous. Selected collections. *SIAM Review*, 38(1):182-??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:SCb**
- [Ano96m] Anonymous. Selected collections. *SIAM Review*, 38(2):355-??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:SCc**
- [Ano96n] Anonymous. Selected collections. *SIAM Review*, 38(3):544-??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1996:SCd**
- [Ano96o] Anonymous. Selected collections. *SIAM Review*, 38(4):712-??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:BR**
- [Ano97a] Anonymous. Book reviews. *SIAM Review*, 39(1):142-178,

- [Ano97g] March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97001>.
- Anonymous:1997:CPS**
- [Ano97b] Anonymous. Changes planned for SIAM Review. *SIAM Review*, 39(1):vii–viii, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:Ca**
- [Ano97c] Anonymous. Chronicle. *SIAM Review*, 39(1):179–185, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:Cb**
- [Ano97d] Anonymous. Chronicle. *SIAM Review*, 39(2):375–381, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:Cc**
- [Ano97e] Anonymous. Chronicle. *SIAM Review*, 39(4):810–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:LEa**
- [Ano97f] Anonymous. Later editions. *SIAM Review*, 39(1):177–178, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:LEb**
- Anonymous. Later editions. *SIAM Review*, 39(2):373–374, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:LEc**
- Anonymous. Later editions. *SIAM Review*, 39(4):808–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:PS**
- Anonymous. Problems and solutions. *SIAM Review*, 39(4):761–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:Sca**
- Anonymous. Selected collections. *SIAM Review*, 39(1):174–176, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:SCb**
- Anonymous. Selected collections. *SIAM Review*, 39(2):369–373, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1997:SCc**
- Anonymous. Selected collections. *SIAM Review*, 39(4):805–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Anonymous:1998:BR**
- [Ano98a] Anonymous. Book reviews. *SIAM Review*, 40(4):998–1023, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97016>.
- Anonymous:1998:C**
- [Ano98b] Anonymous. Chronicle. *SIAM Review*, 40(1):182–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1998:LE**
- [Ano98c] Anonymous. Later editions. *SIAM Review*, 40(1):181–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1998:PS**
- [Ano98d] Anonymous. Problems and solutions. *SIAM Review*, 40(1):118–145, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1998:SC**
- [Ano98e] Anonymous. Selected collections. *SIAM Review*, 40(1):178–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Anonymous:1998:S**
- [Ano98f] Anonymous. Solutions. *SIAM Review*, 40(4):981–997, December 1998. CODEN SIREAD.
- [Ano99] ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97015>.
- Anonymous:1999:BR**
- Anonymous. Book reviews. *SIAM Review*, 41(4):809–851, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97040>.
- Antman:1990:DMS**
- Stuart S. Antman. Dynamics of multibody systems (R. E. Rober son and R. Schwertassek). *SIAM Review*, 32(3):486–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Antonelli:1991:PCM**
- P. L. Antonelli. Plant and crop modelling (John H. M. Thornley and Ian R. Johnson). *SIAM Review*, 33(3):503–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Antman:1992:MNL**
- Stuart S. Antman. Mechanics: From Newton’s laws to deterministic chaos (Florian Scheck). *SIAM Review*, 34(1):135–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Antonelli:1992:ABP**
- [Ant92b] Peter L. Antonelli. The algorithmic beauty of plants (Przemysław Prusinkiewicz and Aristid Lindenmayer). *SIAM Review*, 34(1):142–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Antman:1998:SPS**
- [Ant98] Stuart S. Antman. The simple pendulum is not so simple. *SIAM Review*, 40(4):927–930, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32376>.
- Antman:1980:CAB**
- [AR80] Stuart S. Antman and Gerald Rosenfeld. Corrections and additions: “Global behavior of buckled states of nonlinearly elastic rods” [SIAM rev. **20** (1978), no. 3, 513–566 and MR **58** #14107]. *SIAM Review*, 22(2):186–187, April 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ascher:1981:RBV**
- [AR81] U. Ascher and R. D. Russell. Reformulation of boundary value problems into “standard” form. *SIAM Review*, 23(2):238–254, April 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Antman:1995:NPE**
- [AR95] Stuart S. Antman and Michael Renardy. Nonlinear problems of elasticity. *SIAM Review*, 37(4):637–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Aref:1991:LSF**
- [Are91] Hassan Aref. Lindenmayer systems, fractals, and plants (Przemysław Prusinkiewicz and James Hanan). *SIAM Review*, 33(2):284–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ariyawansa:1991:APA**
- [Ari91] K. A. Ariyawansa. ABS projection algorithms: Mathematical techniques for linear and nonlinear equations (József Abaffy and Emilio Spedicato). *SIAM Review*, 33(2):285–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Arino:1992:SSP**
- [Ari92] O. Arino. Some spectral properties for the asymptotic behavior of semigroups connected to population dynamics. *SIAM Review*, 34(3):445–476, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Armstrong:1990:THI**
- [Arm90] Thomas E. Armstrong. A theory of heuristic information in game-tree research (Chun-Hung Tzeng). *SIAM Review*, 32(1):155–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Arms:1994:LMJ**
- [Arm94] J. M. Arms. Lectures on mechanics (J. E. Marsden). *SIAM Review*, 36(2):290–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Arney:1992:PTS**
- [Arn92] David C. Arney. Practical time-stepping schemes (W. L. Wood). *SIAM Review*, 34(4):663–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Aronson:1978:CMS**
- [Aro78] D. G. Aronson. A comparison method for stability analysis of nonlinear parabolic problems. *SIAM Review*, 20(2):245–264, April 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Arsham:1997:CNI**
- [Ars97] H. Arsham. Classroom note: Initialization of the simplex algorithm: An artificial-free approach. *SIAM Review*, 39(4):736–744, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30472>. See erratum and comments [Mac98a].
- Artstein:1980:DCB**
- [Art80] Zvi Artstein. Discrete and continuous bang-bang and facial spaces or: look for the extreme points. *SIAM Review*, 22(2):172–185, April 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Artstein:1991:OST**
- [Art91] Zvi Artstein. Optimization and stability theory for economic analysis (Brian Beavis and Ian Dobbs). *SIAM Review*, 33(3):502–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Artstein:1992:EOC**
- [Art92] Zvi Artstein. Existence and optimality of competitive equilibria (Charalambos Aliprantis, Donald Brown, and Owen Burkinshaw). *SIAM Review*, 34(1):152–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Askey:1992:HFT**
- [Ask92] Richard Askey. Hypergeometric functions and their applications (James B Seaborn). *SIAM Review*, 34(3):503–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Asmussen:1998:PLW**
- [Asm98] Soren Asmussen. A probabilistic look at the Wiener–Hopf equation. *SIAM Review*, 40(2):189–201, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30353>.

- Athreya:1993:CTD**
- [Ath93] Krisha B. Athreya. The construction theory of denumerable Markov processes (Xiang-qun Yang). *SIAM Review*, 35(3):510–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Athanasiopoulos:1994:MPA**
- [Ath94] B. D. Athanasiopoulos. Moments in probability and approximation theory (George A Anastassiou). *SIAM Review*, 36(3):501–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Auchmuty:1997:SIG**
- [Auc97] Giles Auchmuty. Solutions: An inequality in gravitational theory (problem 95-18) (Brian Sutin). *SIAM Review*, 39(1):126–135, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Alm:2002:TFA**
- [AW02] Jeremy F. Alm and James S. Walker. Time-frequency analysis of musical instruments. *SIAM Review*, 44(3):457–476, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/38228>.
- Ying:1996:IEM**
- [aYT96] Lung-an Ying and R. W. Thatcher. Infinite element methods. *SIAM Review*, 38(4):703–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bagnara:1995:UPC**
- [Bag95] Roberto Bagnara. A unified proof for the convergence of Jacobi and Gauss-Seidel methods. *SIAM Review*, 37(1):93–97, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/25266.htm>.
- Bailey:1993:CFF**
- [Bai93] David H. Bailey. Computational frameworks for the Fast Fourier Transform (Charles Van Loan). *SIAM Review*, 35(1):142–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Baker:1991:FEM**
- [Bak91a] A. J. Baker. Finite element methods for viscous incompressible flows: A guide to theory, practice, and algorithms (Max D. Gunzburger). *SIAM Review*, 33(1):129–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Baker:1991:MFC**
- [Bak91b] George A. Baker. Mathematical foundations of classical statistical mechanics: Continuous systems (D. Ya. Petrina, V. I. Gerasimenko, and P. V. Malyshev; trans. by P. V. Malyshev and D. V. Malyshev). *SIAM Review*, 33(3):510–??, September 1991. CODEN SIREAD.

- ISSN 0036-1445 (print), 1095-7200 (electronic).
- Baker:1992:MFC**
- [Bak92] George A. Baker. Mathematical foundations of classical statistical mechanics: Continuous systems (D. Ya. Petrina, V. I. Gerasimenko, and P. V. Malyshev). *SIAM Review*, 34(2):330–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Balinski:1970:PM**
- [Bal70] M. L. Balinski. On perfect matchings. *SIAM Review*, 12(??):570–572, ???? 1970. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ball:1993:MEH**
- [Bal93] Joseph A. Ball. Minimum entropy hsubinfin control (D. Mustafa and K. Glover). *SIAM Review*, 35(4):652–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Balk:1997:NCL**
- [Bal97] A. M. Balk. New conservation laws for the interaction of nonlinear waves. *SIAM Review*, 39(1):68–94, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29197; http://www.siam.org/journals/sirev/sirev391.htm>.
- [Bar91] [Bar94]
- Barnard:1991:HPS**
- George A. Barnard. A history of probability and statistics: And their applications before 1750 (Anders Hald). *SIAM Review*, 33(2):286–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Barkley:1994:CCS**
- Dwight Barkley. Chemical chaos (Stephen K. Scott). *SIAM Review*, 36(1):116–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bassanini:1986:ITF**
- Piero Bassanini. Interference in thin films. *SIAM Review*, 28(3):381–384, September 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Baumeister:1991:ACI**
- Johann Baumeister. Adaptive control and identification: Conflict or conflux? (J W. Poldeman). *SIAM Review*, 33(2):290–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bube:1983:ODI**
- Kenneth P. Bube and Robert Burridge. The one-dimensional inverse problem of reflection seismology. *SIAM Review*, 25(4):497–559, October 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Borwein:1984:AGM**
- [BB84] J. M. Borwein and P. B. Borwein. The arithmetic-geometric mean and fast computation of elementary functions. *SIAM Review*, 26(3):351–366, July 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Borwein:1988:CFF**
- [BB88] J. M. Borwein and P. B. Borwein. On the complexity of familiar functions and numbers. *SIAM Review*, 30(4):589–601, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bauschke:1996:PAS**
- [BB96] Heinz H. Bauschke and Jonathan M. Borwein. On projection algorithms for solving convex feasibility problems. *SIAM Review*, 38(3):367–426, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/25171>.
- Bobylev:1996:APN**
- [BBKV96] Nikolai A. Bobylev, Yuri M. Burman, Sergey K. Korovin, and Gennadi Vainikko. Approximation procedures in nonlinear oscillation theory. *SIAM Review*, 38(1):181–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Balakrishnan:1998:EDT**
- [BBN98] N. Balakrishnan, A. P. Basu, and H. N. Nagaraja. The exponential distribution: Theory, methods and applications. *SIAM Review*, 40(1):167–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Barenblatt:1998:NPT**
- [BC98] G. I. Barenblatt and A. J. Chorin. New perspectives in turbulence: Scaling laws, asymptotics, and intermittency. *SIAM Review*, 40(2):265–291, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32004>.
- Rousseau:1998:PSb**
- [CCRR98] Edited by Cecil C. Rousseau and Otto G. Ruehr. Problems and solutions. *SIAM Review*, 40(2):372–390, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97010>.
- Bonney:1998:CNW**
- [BCD98] Matthew Bonney, Joshua Coaplen, and Erik Doeffer. Classroom note: What makes a good friend? the mathematics of rock climbing. *SIAM Review*, 40(3):674–679, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31739>.
- Bakonyi:1995:SAS**
- [BCF95] M. Bakonyi, T. Constantinescu, and A. E. Frazho. Schur's

- algorithm and several applications. *SIAM Review*, 37(1):121–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [bCJ71] bD. C. Joyce. Survey of extrapolation processes in numerical analysis. *SIAM Review*, 13 (??):435–490, ???? 1971. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Joyce:1971:SEP]
- [bCR98] Edited by: C. Rousseau and O. Ruehr. Problems and solutions. *SIAM Review*, 40(1):118–145, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97008>.
- [Rousseau:1998:PSa]
- [BD99] [BDC98]
- [bCR98]
- [BDO95]
- [BCV98]
- [Banks:1994:SHM]
- [BD94]
- [BDvD⁺98]
- Peter J. Brockwell, Richard A. Davis, and Collin C. Carbno. Introduction to time series and forecasting. *SIAM Review*, 40 (1):146–147, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Brockwell:1998:ITS]
- Michael W. Berry, Zlatko Drmac, and Elizabeth R. Jessup. Matrices, vector spaces, and information retrieval. *SIAM Review*, 41(2):335–362, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34703>.
- [Berry:1999:MVS]
- Michael W. Berry, Susan T. Dumais, and Gavin W. O’Brien. Using linear algebra for intelligent information retrieval. *SIAM Review*, 37(4):573–595, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/27260.htm>.
- [Berry:1995:ULA]
- Rainer E. Burkard, Vladimir G. Deineko, René van Dal, Jack A. A. van der Veen, and Gerhard J. Woeginger. Well-solvable special cases of the traveling salesman problem: A survey. *SIAM Review*, 40(3):496–546, September 1998. CODEN SIREAD. ISSN 0036-1445 URL <http://pubs.siam.org/25625.htm>.
- [Burkard:1998:WSS]

- (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29751>.
- Beale:1990:NEP**
- [Bea90] J. Thomas Beale. Navier-Stokes equations (Peter Constantin and Ciprian Foias). *SIAM Review*, 32(1):156–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Borwein:1996:PPI**
- [BEA96] P. Borwein, T. Erdelyi, and Walter Van Assche. Polynomials and polynomial inequalities. *SIAM Review*, 38(4):705–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Beck:1994:MMN**
- [Bec94] J. V. Beck. The mollification method and the numerical solution of ill-posed problems (Diego A. Murio). *SIAM Review*, 36(3):502–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bell:1986:OPB**
- [Bel86] Jonathan Bell. Optimizing pacemaker battery life. *SIAM Review*, 28(1):73–77, March 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bell:1990:ITN**
- [Bel90a] Jonathan Bell. Introduction to theoretical neurobiology. volume 1: Linear cable theory and dendritic structure. volume 2: Non-
- linear and stochastic theories (Henry C. Tuckwell). *SIAM Review*, 32(1):158–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bell:1990:MBJ**
- [Bel90b] Jonathan G. Bell. Mathematical biology (J. D. Murray). *SIAM Review*, 32(3):487–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Benjamin:1995:SRR**
- [Ben95] Arthur T. Benjamin. Sensible rules for remembering duals — the S-O-B method. *SIAM Review*, 37(1):85–87, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/26452.htm>.
- Bernard:1990:CDT**
- [Ber90a] Peter S. Bernard. Convective diffusion in two-dimensional incompressible linear flow. *SIAM Review*, 32(4):660–666, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bernfeld:1990:DED**
- [Ber90b] S. R. Bernfeld. Differential equations with discontinuous right-hand sides (A F. Filippov). *SIAM Review*, 32(2):312–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Berger:1991:MAN**
- [Ber91a] M. S. Berger. Mathematical analysis of nonlinear dynamic processes: An introduction to processes governed by partial differential equations (K.-U. Grusa). *SIAM Review*, 33(1):131–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Berk:1991:FMS**
- [Ber91b] Kenneth N. Berk. Fundamentals of mathematical statistics (H. T. Nguyen and G. S. Rogers). *SIAM Review*, 33(2):291–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Berger:1992:RAI**
- [Ber92a] Marc A. Berger. Random affine iterated function systems: Curve generation and wavelets. *SIAM Review*, 34(3):361–385, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Berk:1992:RAA**
- [Ber92b] Kenneth N. Berk. Regression analysis (Ashish Sen and Muni Srivastava). *SIAM Review*, 34(1):157–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Berk:1992:SSR**
- [Ber92c] Kenneth N. Berk. Subset selection in regression (A. J. Miller). *SIAM Review*, 34(2):325–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Beran:1993:SIG**
- [Ber93] Rudolf Beran. Statistical intervals: A guide for practitioners (Gerald J Hahn and William Q. Meeker). *SIAM Review*, 35(2):309–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Berliner:1997:BRB**
- [Ber97] Mark Berliner. Book review: Bayesian Theory, by Jose M. Bernardo and Adrian F. M. Smith. *SIAM Review*, 39(1):142–144, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Beskos:1992:ECA**
- [Bes92] Dimitri E. Beskos. Elastic contact analysis by boundary elements (S. Takahashi). *SIAM Review*, 34(3):503–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Beutler:1992:CNS**
- [Beu92] Frederick J. Beutler. Computer networks and systems: Queueing theory and performance evaluation (Thomas G. Robertazzi). *SIAM Review*, 34(2):326–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

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|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Bandle:1996:HRC</div> <p>[BF96] Catherine Bandle and Martin Flucher. Harmonic radius and concentration of energy and hyperbolic radius and Liouville's equations $\Delta U = e^U$ and $\Delta U = U^{(n+2)/(n-2)}$. <i>SIAM Review</i>, 38(2):191–238, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/27201.htm.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bucchianico:1998:PAA</div> <p>[BF98] A. Di Bucchianico and Philip Feinsilver. Probabilistic and analytical aspects of the umbral calculus. <i>SIAM Review</i>, 40(1):147–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Broadbridge:1999:BWG</div> <p>[BFF⁺99] P. Broadbridge, G. R. Fullford, N. D. Fowkes, D. Y. C. Chan, and C. Lassig. Bubbles in wet, gummed wine labels. <i>SIAM Review</i>, 41(2):363–372, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/34702.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bridges:1995:STE</div> <p>[BFM95] Thomas Bridges, Jacques E. Furter, and Kenneth R. Meyer. Singularity theory and equivariant symplectic maps. <i>SIAM Review</i>, 37(1):135–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Bjorck:1977:EMA</div> <p>[BG77] Åke Björck and Gene H. Golub. Eigenproblems for matrices associated with periodic boundary conditions. <i>SIAM Review</i>, 19(1):5–16, January 1977. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Burnside:1996:SPT</div> <p>[BG96] R. R. Burnside and P. B. Guest. A simple proof of the transposed QR algorithm. <i>SIAM Review</i>, 38(2):306–308, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/p306.htm.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bochev:1998:FEM</div> <p>[BG98] Pavel B. Bochev and Max D. Gunzburger. Finite element methods of least-squares type. <i>SIAM Review</i>, 40(4):789–837, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/32115.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Boyd:1995:LMI</div> <p>[BGF⁺95] S. Boyd, L. E. Ghaoui, E. Feron, V. Balakrishnan, and V. A. Yakubovich. Linear matrix inequalities in system and control theory. <i>SIAM Review</i>, 37(3):479–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> |
|---|--|

- Byrnes:2001:FCW**
- [BGL01] Christopher I. Byrnes, Sergei V. Gusev, and Anders Lindquist. From finite covariance windows to modeling filters: A convex optimization approach. *SIAM Review*, 43(4):645–675, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31623>.
- Briggs:1990:FMA**
- [BH90] William L. Briggs and Van Emden Henson. The FFT as a multigrid algorithm. *SIAM Review*, 32(2):252–261, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Baines:1996:MFE**
- [BH96] M. J. Baines and Weizhang Huang. Moving finite elements. *SIAM Review*, 38(3):530–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bank:2003:NPP**
- [BH03] Randolph E. Bank and Michael Holst. A new paradigm for parallel adaptive meshing algorithms. *SIAM Review*, 45(2):291–323, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/42061>.
- Bhaya:1998:RMP**
- [Bha98] Amit Bhaya. Real matrices with positive determinant are homotopic to the identity. *SIAM Review*, 40(2):335–340, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31623>.
- Bickel:1994:IBN**
- [Bic94] P. J. Bickel. Information bounds and nonparametric maximum likelihood estimation (Piet Groeneboom and Jon A. Wellner). *SIAM Review*, 36(3):503–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Birkhoff:1983:NFD**
- [Bir83] Garrett Birkhoff. Numerical fluid dynamics. *SIAM Review*, 25(1):1–34, January 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bruckstein:1987:ISD**
- [BK87] A. M. Bruckstein and T. Kailath. Inverse scattering for discrete transmission-line models. *SIAM Review*, 29(3):359–389, September 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Batman:1988:BLM**
- [BK88] Don Batman and M. S. Klamkin. Bounds for the log mean radius for heat conduction in a multilagged cylindrical pipe. *SIAM Review*, 30(2):298–300, June 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Barbu:1995:ACN**
- [BK95] Viorel Barbu and Philip Korman. Analysis and control of nonlinear infinite dimensional systems. *SIAM Review*, 37(4):633–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Berry:1999:RZE**
- [BK99] M. V. Berry and J. P. Keating. The Riemann zeros and eigenvalue asymptotics. *SIAM Review*, 41(2):236–266, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34749>.
- Bonomi:1984:CTS**
- [BL84] Ernesto Bonomi and Jean-Luc Lutton. The N -city travelling salesman problem: Statistical mechanics and the Metropolis algorithm. *SIAM Review*, 26(4):551–568, October 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Blair:1990:ICO**
- [Bla90] Charles Blair. Integer and combinatorial optimization (George L. Nemhauser and Lawrence A. Wolsey). *SIAM Review*, 32(2):315–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Blanchard:1993:IRF**
- [Bla93] Paul Blanchard. Iteration of rational functions (Alan F. Beardon). *SIAM Review*, 35(2):310–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Black:1997:CNP**
- [Bla97] Kelly Black. Classroom note: Putting constraints in optimization for first-year calculus students. *SIAM Review*, 39(2):310–312, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29481>.
- Bloch:1991:NDC**
- [Blo91] Anthony M. Bloch. Nonlinear dynamical control systems (H. Nijmeijer and A. J. van der Schaft). *SIAM Review*, 33(2):292–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bluman:1991:NBV**
- [Blu91] George Bluman. Nonlinear boundary value problems in science and engineering (C. Rogers and W. F. Ames). *SIAM Review*, 33(2):294–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bluman:1994:IDM**
- [Blu94] George Bluman. Infinite dimensional Morse theory and multiple solution problems (K. C. Chang). *SIAM Review*, 36(1):116–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Bertozzi:1993:MRG**
- [BM93] Andrea Bertozzi and James McKenna. Multidimensional residues, generating functions, and their application to queueing networks. *SIAM Review*, 35(2):239–268, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Boersma:1995:GSP**
- [BM95] J. Boersma and J. Molenaar. Geometry of the shoulder of a packaging machine. *SIAM Review*, 37(3):406–422, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Boros:1998:ITP**
- [BM98] George Boros and Victor H. Moll. An integral with three parameters. *SIAM Review*, 40(4):972–980, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31740>.
- Bakker:2003:HDP**
- [BM03] Eric Bakker and A. J. Meir. How do pulsed amperometric ion sensors work? A simple PDE model. *SIAM Review*, 45(2):327–344, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37712>.
- Bojadziev:1993:SNP**
- [Boj93] George Bojadziev. Systems of nonlinear partial differential equations, applications to biology and engineering (Anthony W. Leung). *SIAM Review*, 35(1):143–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bojanov:1997:BRS**
- [Boj97] Borislav Bojanov. Book review: *Selected Topics in Approximation and Computation*, by Marek A. Kowalski, Krzysztof A. Sikorski, and Frank Stenger. *SIAM Review*, 39(2):333–334, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Boltyanski:1991:GSM**
- [Bol91a] Vladimir G. Boltyanski. Games, set, and math: Enigmas and conundrums (Ian Stewart). *SIAM Review*, 33(2):296–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Boltyanski:1991:HDO**
- [Bol91b] Vladimir G. Boltyanski. How does one cut a triangle? (Alexander Soifer). *SIAM Review*, 33(2):297–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bomze:2002:RVD**
- [Bom02] Immanuel M. Bomze. Regularity versus degeneracy in dynamics, games, and optimization: A unified approach to different aspects. *SIAM Review*, 44(3):394–414, September 2002. CODEN SIREAD. ISSN 0036-1445

- [Boo94] Ronald V. Book. Relativizations of the $P = ?NP$ and other problems: developments in structural complexity theory. *SIAM Review*, 36(2):157–175, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/23994.htm>. **Book:1994:RPN**
- [Bou91a] Jonathan Borwein. Generalized concavity (Mordecai Avriel, Walter E. Diewert, Siegfried Schaible, and Israel Zang). *SIAM Review*, 32(4):689–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Borwein:1990:GCM**
- [Bou91b] A. J. Bosch. Note on the factorization of a square matrix into two Hermitian or symmetric matrices. *SIAM Review*, 29(3):463–468, September 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Bosch:1987:NFS**
- [Bos87] D. L. Bosley. A technique for the numerical verification of asymptotic expansions. *SIAM Review*, 38(1):128–135, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/p128.htm>. **Bosley:1996:TNV**
- [Bos96] [Bou90] Robert A. Bosch. Integer programming and Conway’s game of Life. *SIAM Review*, 41(3):594–604, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37565>. **Bosch:1999:IPC**
- [Bou91c] Guy Bouchitte. Direct methods in the calculus of variations (B. Dacorogna). *SIAM Review*, 33(2):299–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Bouchitte:1991:DMC**
- [Bou91d] David G. Boulware. Aspects of quantum field theory in curved space-time (S. A. Fulling). *SIAM Review*, 33(3):508–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Boulware:1991:AQF**
- [Boy90] John P. Boyd. An introduction to the numerical analysis of spectral methods (Bertrand Mercier). *SIAM Review*, 32(3):489–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Boyd:1990:INA**
- [Boy97] Mike Boyle. Book review: *An Introduction to Symbolic Dynamics and Coding*, by Douglas Lind and Brian Marcus. *SIAM Review*,

- 39(2):334–335, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Blows:1994:BLC**
- [BP94] T. R. Blows and L. M. Perko. Bifurcation of limit cycles from centers and separatrix cycles of planar analytic systems. *SIAM Review*, 36(3):341–376, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/363-1.htm>.
- Brown:1995:MRC**
- [BP95] Philip J. Brown and S. Panchapakesan. Measurement, regression, and calibration. *SIAM Review*, 37(4):635–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bensoussan:1995:RCI**
- [BPD⁺95] A. Bensoussan, G. Da Prato, M. Delfour, S. Mitter, and D. L. Russell. Representation and control of infinite dimensional systems, vols. 1 and 2. *SIAM Review*, 37(3):476–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bini:1996:PMC**
- [BPE96] Dario Bini, Victor Pan, and Wayne Eberly. Polynomial and matrix computations volume 1: Fundamental algorithms. *SIAM Review*, 38(1):161–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [BPJ95] [BPP95] [BR97] [Bra81]
- 0036-1445 (print), 1095-7200 (electronic).
- Butkovskiy:1995:CDP**
- A. G. Butkovskiy, L. M. Pustyl'nikov, and Alan Jeffrey. Characteristics of distributed parameter systems. *SIAM Review*, 37(3):468–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Boehm:1995:GCG**
- W. Boehm, H. Prautzsch, and Jorg Peters. Geometric concepts for geometric design. *SIAM Review*, 37(3):473–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Balinski:1997:SMG**
- Michel Balinski and Guillaume Ratier. On stable marriages and graphs, and strategy and polytopes. *SIAM Review*, 39(4):575–604, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/29451>.
- Braun:1981:MRV**
- Martin Braun. Mathematical remarks on the Van Allen radiation belt: a survey of old and new results. *SIAM Review*, 23(1):61–93, January 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Braunfeld:1991:MGA</div> <p>[Bra91] Peter Braunfeld. The mathematics of great amateurs (Julian Lowell Coolidge). <i>SIAM Review</i>, 33(4):663–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Braden:1994:HWM</div> <p>[Bra94] B. Braden. Handbook of writing for the mathematical sciences (Nicholas J Higham). <i>SIAM Review</i>, 36(2):291–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kellogg:1998:BRa</div> <p>[bRBK98a] Edited by: R. B. Kellogg. Book reviews. <i>SIAM Review</i>, 40(1):146–181, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/97009.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kellogg:1998:BRb</div> <p>[bRBK98b] Edited by R. B. Kellogg. Book reviews. <i>SIAM Review</i>, 40(2):391–431, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/97011.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Brewster:1993:IWC</div> <p>[Bre93] M. E. Brewster. An introduction to wavelets (Charles K. Chui). <i>SIAM Review</i>, 35(2):312–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Bressan:1994:MDE</div> <p>[Bre94] Alberto Bressan. Multi-valued differential equations (Klaus Deimling and Walter de Gruyter). <i>SIAM Review</i>, 36(1):117–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Brownell:1990:SMQ</div> <p>[Bro90] F. H. Brownell. Solvable models in quantum mechanics (S. Albeverio, F. Gesztesy, R. Hoegh-Krohn, and H. Holden). <i>SIAM Review</i>, 32(1):160–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Brown:1993:JGS</div> <p>[Bro93] Bryson Brown. A journey into gravity and spacetime (John A. Wheeler). <i>SIAM Review</i>, 35(2):314–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Burton:1988:CSS</div> <p>[BRP88] R. M. Burton, Jr., K. Ravishankar, and E. D. Palmes. Convergence to steady state in a diffusional sampler. <i>SIAM Review</i>, 30(3):482–486, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bryant:1990:ECP</div> <p>[Bry90] Peter J. Bryant. From equilibrium to chaos: Practical bifurcation and stability analysis (Rüdiger Seydel). <i>SIAM Review</i>, 32</p> |
|---|--|

- (3):490–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bryant:1991:CDI**
- [Bry91] Peter J. Bryant. Chaotic dynamics: An introduction (Gregory Baker and Jerry Gollub). *SIAM Review*, 33(4):666–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bryant:1993:WCQ**
- [Bry93] Peter J. Bryant. Weak chaos and quasi-regular patterns (G. M. Zaslavsky, R. Z. Sagdeev, D. A. Usikov, and A. A. Chernikov). *SIAM Review*, 35(1):145–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bryant:1994:NAA**
- [Bry94] P. J. Bryant. Nonlinearities in action (A. V. Gaponov-Grekhov and M. I. Rabinovich). *SIAM Review*, 36(2):292–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Berman:1963:ARL**
- [BS63] Gerald Berman and R. G. Stanton. The asymptotes of the root locus. *SIAM Review*, 5 (??):209–218, ????. 1963. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bailey:1991:FFT**
- [BS91] David H. Bailey and Paul N. Swarztrauber. The fractional Fourier transform and applications. *SIAM Review*, 33(3):389–404, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Butzer:1992:STN**
- [BS92] P. L. Butzer and R. L. Stens. Sampling theory for not necessarily band-limited functions: A historical overview. *SIAM Review*, 34(1):40–53, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Bullett:1993:RSP**
- [BS93] Shaun Bullett and Jaroslav Stark. Renormalizing the simple pendulum. *SIAM Review*, 35(4):631–640, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Babuska:1994:VFE**
- [BS94] Ivo Babuška and Manil Suri. The p and $h-p$ versions of the finite element method, basic principles and properties. *SIAM Review*, 36(4):578–632, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/23906.htm>.
- Bonnans:1998:OPP**
- [BS98] J. Frédéric Bonnans and Alexander Shapiro. Optimization problems with perturbations: A guided tour. *SIAM Review*, 40 (2):228–264, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- [BS00] Ivo M. Babuska and Stefan A. Sauter. Is the pollution effect of the FEM avoidable for the Helmholtz equation considering high wave numbers? *SIAM Review*, 42(3):451–484, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36779>. Babuska:2000:PEF
- [BSP95] Susanne C. Brenner, L. Ridgway Scott, and Joseph E. Pasciak. The mathematical theory of finite element methods. *SIAM Review*, 37(3):472–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Brenner:1995:MTF
- [BSW82] J. M. Borwein, G. P. H. Styan, and H. Wolkowicz. Some inequalities involving statistical expressions. *SIAM Review*, 24(3):340–342, July 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Borwein:1982:SII
- [BT69] M. L. Balinski and A. W. Tucker. Duality theory of linear programs: A constructive approach with applications. *SIAM Review*, 11(??):347–377, ??? 1969. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Balinski:1969:DTL
- [Bur83] T. A. Burton. Structure of solutions of Volterra equations. *SIAM Review*, 25(3):343–364, July 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Burton:1983:SSV
- [Bur93] T. A. Burton. A course on integral equations (A. C. Pipkin). Burton:1993:CIE
- [BT85] Denis Blackmore and Lu Ting. Surface integral of its mean curvature vector. *SIAM Review*, 27(4):569–572, December 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Blackmore:1985:SIM
- [BTKNZ00] A. Ben-Tal, M. Kovara, A. Nemirovski, and J. Zowe. Free material design via semidefinite programming: The multi-load case with contact conditions. *SIAM Review*, 42(4):695–715, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37208>. Ben-Tal:2000:FMD
- [Buc91] R. Creighton Buck. Modern cryptology: A tutorial (Gilles Brassard). *SIAM Review*, 33(3):487–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Buck:1991:MCT

- SIAM Review*, 35(4):655–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Burckel:1994:HCD**
- [Bur94a] R. B. Burckel. A history of complex dynamics from Schroeder to Fatou and Julia (Daniel S. Alexander). *SIAM Review*, 36(4):663–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Burdzy:1994:SWN**
- [Bur94b] Krzysztof Burdzy. The self-avoiding walk (Neal Madras and Gordon Slade). *SIAM Review*, 36(1):119–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Butcher:1992:DED**
- [But92] J. C. Butcher. Difference equations from differential equations (W. J. Lick). *SIAM Review*, 34(1):140–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Binding:1996:ETP**
- [BV96] Paul Binding and Hans Volkmer. Eigencurves for two-parameter Sturm-Liouville equations. *SIAM Review*, 38(1):27–48, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/26508.htm>.
- [BvdD78] H. Barclay and P. van den Driessche. Deterministic population models and stability. *SIAM Review*, 20(2):389–393, April 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Barclay:1978:DPM**
- [BvdGH95] J. F. Besseling, E. van der Giessen, and K. S. Havner. Mathematical modelling of inelastic deformation. *SIAM Review*, 37(3):467–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Besseling:1995:MMI**
- [BWYY96] Elwyn Berlekamp, David Wolfe, Zhiping You, and James A. Yorke. Mathematical go chilling gets the last point. *SIAM Review*, 38(3):543–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Berlekamp:1996:MGC**
- [Caf92] Russel Caflisch. Two phase flows and waves (Daniel D. Joseph and David G Schaeffer, eds.). *SIAM Review*, 34(1):138–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Caflisch:1992:TPF**
- [Caf94] R. E. Caflisch. Vortex dynamics (P. G. Saffman). *SIAM Review*,
- Caflisch:1994:VDP**

- 36(2):293–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Campbell:1991:IDS**
- [Cam91a] L. L. Campbell. An introduction to digital signal processing (John H. Karl). *SIAM Review*, 33(1):131–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Campbell:1991:NSD**
- [Cam91b] Stephen L. Campbell. The numerical solution of differential-algebraic systems by Runge-Kutta methods (Ernst Hairer, Christian Lubich, and Michel Roche). *SIAM Review*, 33(3):504–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Campbell:1993:MSS**
- [Cam93] Stephen L. Campbell. Methods of solving singular systems of ordinary differential equations (Y. Boyarintsev). *SIAM Review*, 35(4):656–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Canfield:1991:CSM**
- [Can91] E. Rodney Canfield. Combinatorial search (Martin Aigner). *SIAM Review*, 33(1):132–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Carlin:1993:TSI**
- [Car93] Bradley P. Carlin. Tools for statistical inference: Observed data and data augmentation methods (Martin A. Tanner). *SIAM Review*, 35(1):146–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Casti:1980:LQC**
- J. Casti. The linear-quadratic control problem: some recent results and outstanding problems. *SIAM Review*, 22(4):459–485, October 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Casti:1982:RDF**
- John L. Casti. Recent developments and future perspectives in nonlinear system theory. *SIAM Review*, 24(3):301–331, July 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Castro:1994:SBN**
- A. Castro. Solvability and bifurcations of nonlinear equations (P Drabek). *SIAM Review*, 36(1):119–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cavaretta:1990:LCA**
- Alfred S. Cavaretta. Lectures on complex approximation (Dieter Gaier; Renate McLaughlin, trans.). *SIAM Review*, 32(1):167–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Cushman:1998:GAC**
- [CBM98] Richard H. Cushman, Larry M. Bates, and Richard Montgomery. Global aspects of classical integrable systems. *SIAM Review*, 40(1):164–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chui:1990:ECD**
- [CC90] Charles K. Chui and Guanrong Chen. Estimation, control, and the discrete Kalman filter (Donald E Catlin). *SIAM Review*, 32 (3):493–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cantrell:1996:MPP**
- [CC96] R. S. Cantrell and C. Cosner. Models for predator-prey systems at multiple scales. *SIAM Review*, 38(2):256–286, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/27277.htm>.
- Colton:2000:RDI**
- [CCM00] David Colton, Joe Coyle, and Peter Monk. Recent developments in inverse acoustic scattering theory. *SIAM Review*, 42(3):369–414, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/36773>.
- Carey:1993:GAQ**
- [CD93] G. F. Carey and H. T. Dinh. A grid anomaly in quadrilateral elements. *SIAM Review*, 35 (1):130–134, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chappell:1994:ODN**
- [CD94] David Chappell and Karen Dury. On the optimal depletion of a nonrenewable natural resource under conditions of increasing marginal extraction costs. *SIAM Review*, 36(1):102–106, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/25107.htm>.
- Carmona:2003:PHS**
- [CD03] René Carmona and Valdo Durleman. Pricing and hedging spread options. *SIAM Review*, 45(4):627–685, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/42479>.
- Chen:2001:ADB**
- [CDS01] Scott Shaobing Chen, David L. Donoho, and Michael A. Saunders. Atomic decomposition by basis pursuit. *SIAM Review*, 43 (1):129–159, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/37906>.
- Chan:1989:FAI**
- [CE89] Tony F. Chan and Howard C. Elman. Fourier analysis of iterative methods for elliptic problems. *SIAM Review*, 31(1):20–49,

- March 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Censor:1981:RAM**
- [Cen81] Yair Censor. Row-action methods for huge and sparse systems and their applications. *SIAM Review*, 23(4):444–466, October 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chu:1995:ROR**
- [CFG95] Moody T. Chu, Robert E. Funderlic, and Gene H. Golub. A rank-one reduction formula and its applications to matrix factorizations. *SIAM Review*, 37(4):512–530, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/27264.htm>.
- Chui:1997:CSI**
- [CGT⁺97] W. K. Chui, J. Glimm, F. M. Tangerman, A. P. Jardine, J. S. Madsen, T. M. Donnellan, and R. Leek. Case study from industry: Process modeling in resin transfer molding as a method to enhance product quality. *SIAM Review*, 39(4):714–727, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30854>.
- Chartres:1963:GPT**
- [Cha63] B. A. Chartres. A geometrical proof of a theorem due to D. Slepian. *SIAM Review*, 5(??):335–341, ???? 1963. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Francoise:1981:SAL**
- Françoise Chatelin. The spectral approximation of linear operators with applications to the computation of eigenelements of differential and integral operators. *SIAM Review*, 23(4):495–522, October 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chafee:1994:NOD**
- [Cha94a] N. Chafee. Nonlinear ordinary differential equations (R. Grimshaw). *SIAM Review*, 36(4):664–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chang:1994:LSM**
- [Cha94b] T. C. Chang. Large sample methods in statistics: An introduction with applications (Pranab K. Sen and Julio M. Singer). *SIAM Review*, 36(4):666–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chang:1994:TLM**
- [Cha94c] T. C. Chang. The theory of linear models (Bent Jorgensen). *SIAM Review*, 36(4):665–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Chapman:2000:HMT**
- [Cha00] S. J. Chapman. A hierarchy of models for type-II superconductors. *SIAM Review*, 42(4):555–598, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37191>.
- Castrigiano:1995:CT**
- [CHC95] Domenico P. L. Castrigiano, Sandra A. Hayes, and David Chillingworth. Catastrophe theory. *SIAM Review*, 37(1):118–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chen:1991:NSO**
- [Che91] Guanrong Chen. Numerical solution of optimal control problems with state constraints by sequential quadratic programming in function spaces (K. C. P. Machielsen). *SIAM Review*, 33(1):133–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cheng:1992:ADD**
- [Che92] H. K. Cheng. Airfoil design and data (Richard Eppeler). *SIAM Review*, 34(2):331–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chen:1998:PFR**
- [Che98] Hongwei Chen. The Poisson formula revisited. *SIAM Review*, 40(2):353–355, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31873>.
- Cheney:2001:MTS**
- [Che01] Margaret Cheney. A mathematical tutorial on synthetic aperture radar. *SIAM Review*, 43(2):301–312, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36885>.
- Chicone:1990:IAT**
- [Chi90] Carmen Chicone. Introduction to the algebraic theory of invariants of differential equations (K. S. Sibirsky). *SIAM Review*, 32(3):491–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chillingworth:1994:FDS**
- [Chi94] D. R. J. Chillingworth. Fundamentals of dynamical systems and bifurcation (M Medved). *SIAM Review*, 36(1):122–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chapman:1992:MMS**
- [CHO92] S. J. Chapman, S. D. Howison, and J. R. Ockendon. Macroscopic models for superconductivity. *SIAM Review*, 34(4):529–560, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Choudhury:1994:DBJ</div> <p>[Cho94] S. R. Choudhury. Dynamics and bifurcations (Jack K. Hale and Huseyin Kocak). <i>SIAM Review</i>, 36(2):297–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Chu:1988:CRI</div> <p>[Chu88] Moody T. Chu. On the continuous realization of iterative processes. <i>SIAM Review</i>, 30(3):375–387, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Chunqing:1992:REK</div> <p>[Chu92] Lu Chunqing. Reaction-diffusion equations (K. J. Brown and A. A. Lacey, eds.). <i>SIAM Review</i>, 34(1):131–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Churchill:1994:IPT</div> <p>[Chu94] R. Churchill. Invertible point transformations and nonlinear differential equations (Willi-Hans Steeb). <i>SIAM Review</i>, 36(4):666–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Chu:1998:IEP</div> <p>[Chu98] Moody T. Chu. Inverse eigenvalue problems. <i>SIAM Review</i>, 40(1):1–39, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/30398.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Ciarlet:1992:ARR</div> <p>[Cia92] P. G. Ciarlet. Author’s reply to the review of Introduction to Numerical Linear Algebra and Optimization. <i>SIAM Review</i>, 34(1):159–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Cinlar:1993:SFS</div> <p>[Cin93] Erhan Cinlar. Stochastic flows and stochastic differential equations (Hiroshi Kunita). <i>SIAM Review</i>, 35(3):513–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Cheney:1999:EIT</div> <p>[CIN99] Margaret Cheney, David Isaacson, and Jonathan C. Newell. Electrical impedance tomography. <i>SIAM Review</i>, 41(1):85–101, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/33361.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Cercignani:1995:MTD</div> <p>[CIPB95] C. Cercignani, R. Illner, M. Pulvirenti, and Claude Bardos. The mathematical theory of dilute gases. <i>SIAM Review</i>, 37(4):622–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Chossat:1995:CP</div> <p>[CIS95] Pascal Chossat, Gerard Iooss, and Juergen Scheurle. The Couette-Taylor problem. <i>SIAM</i></p> |
|--|---|

- Review*, 37(2):279–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cressie:1987:RST**
- [CL87] Noel Cressie and G. M. Laslett. Random set theory and problems of modeling. *SIAM Review*, 29(4):557–574, December 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Clark:1979:MME**
- [Cla79a] Colin W. Clark. Mathematical models in the economics of renewable resources. *SIAM Review*, 21(1):81–99, January 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Clarke:1979:OCT**
- [Cla79b] Frank H. Clarke. Optimal control and the true Hamiltonian. *SIAM Review*, 21(2):157–166, April 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ciarlet:1997:HNA**
- [CLH97] P. G. Ciarlet, J. L. Lions, and Weimin Han. Handbook of numerical analysis. vol. IV. finite element methods (part 2) and numerical methods for solids (part 2). *SIAM Review*, 39(4):796–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chapman:1999:TCR**
- [CLOT99] S. J. Chapman, J. M. H. Lawry, J. R. Ockendon, and R. H. Tew. On the theory of complex rays. *SIAM Review*, 41(3):417–509, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35205>.
- Chow:1995:NFB**
- [CLWM95] Shee-Nee Chow, Chengzhi Li, Duo Wang, and Kenneth R. Meyer. Normal forms and bifurcation of planar vector fields. *SIAM Review*, 37(2):269–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Choi:1989:ASA**
- [CM89] Y. S. Choi and Andrew Majda. Amplification of small-amplitude high-frequency waves in a reactive mixture. *SIAM Review*, 31(3):401–427, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Criminale:1991:EBN**
- [CM91] W. O. Criminale and T. F. Mar. Electric bell as a nonlinear oscillator. *SIAM Review*, 33(4):644–649, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chen:1994:VSE**
- [CMZ94] Goong Chen, Philip J. Morris, and Jian-Xin Zhou. Visualization of special eigenmode shapes

- of a vibrating elliptical membrane. *SIAM Review*, 36(3):453–469, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/23332.htm>.
- Chan:1996:CGM**
- [CN96] Raymond H. Chan and Michael K. Ng. Conjugate gradient methods for Toeplitz systems. *SIAM Review*, 38(3):427–482, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/27647>.
- Cody:1970:SPR**
- [Cod70] W. J. Cody. A survey of practical rational and polynomial approximation of functions. *SIAM Review*, 12(3):400–423, July 1970. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Reprinted in *Studies in Applied Mathematics*, 6, SIAM, 1970, pp. 86–109.
- Cody:1974:CNS**
- [Cod74] W. J. Cody. The construction of numerical subroutine libraries. *SIAM Review*, 16(1):36–46, January 1974. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Coffman:1983:ICM**
- [Cof83] E. G. Coffman, Jr. An introduction to combinatorial models of dynamic storage allocation. *SIAM Review*, 25(3):311–325, July 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cohen:1988:SGP**
- [Coh88] Joel E. Cohen. Subadditivity, generalized products of random matrices and operations research. *SIAM Review*, 30(1):69–86, March 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See erratum [Coh93].
- Cohen:1990:PSC**
- [Coh90] Joel E. Cohen. Population system control (Jian Song and Jingyuan Yu). *SIAM Review*, 32(3):494–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cohen:1993:EGP**
- [Coh93] Joel E. Cohen. Erratum: “Subadditivity, generalized products of random matrices and operations research” [SIAM rev. **30** (1988), no. 1, 69–86 and MR 89g:60300]. *SIAM Review*, 35(1):124, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See [Coh88].
- Colton:1984:ISP**
- [Col84] David Colton. The inverse scattering problem for time-harmonic acoustic waves. *SIAM Review*, 26(3):323–350, July 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Cole:1991:PDE**
- [Col91] Susan Cole. Partial differential equations: Analytical solution techniques (J. Kevorkian). *SIAM Review*, 33(1):135–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Coleman:1992:NEG**
- [Col92] William P. Coleman. Non-linear estimation (Gavin J. S. Ross). *SIAM Review*, 34(1): 156–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cole:1994:DPT**
- [Col94a] Julian D. Cole. The development of perturbation theory at GALCIT. *SIAM Review*, 36(3): 425–430, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25790.htm>.
- Colombeau:1994:MDA**
- [Col94b] J.-F Colombeau. Multiplication of distributions and applications to partial differential equations (M. Oberguggenberger). *SIAM Review*, 36(2):299–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Colton:1994:IPM**
- [Col94c] David Colton. Inverse problems in the mathematical sciences (Charles W Groetsch). *SIAM Review*, 36(1):123–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Constantin:1994:GST**
- [Con94] Peter Constantin. Geometric statistics in turbulence. *SIAM Review*, 36(1):73–98, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Constanda:1997:PCF**
- [Con97] Christian Constanda. Problems: Composition formulae for boundary operators (problem 97-3). *SIAM Review*, 39(1):124–125, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Coomes:1991:MAC**
- [Coo91] Brian Coomes. Multiphase averaging for classical systems: With applications to adiabatic theorems (P. Lochak and C. Meunier; trans. by H. S. Dumas). *SIAM Review*, 33(3):495–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Corduneanu:1992:FDE**
- [Cor92a] C. Corduneanu. Functional differential equations with infinite delay (Y Hino, S. Murakami, and T. Naito). *SIAM Review*, 34(3): 504–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Corsten:1992:SMG**
- [Cor92b] L. C. A. Corsten. Statistical methods: The geometric approach (David J. Saville and Graham R. Wood). *SIAM Review*, 34(3):506–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cottle:1994:LPR**
- [Cot94] R. W. Cottle. Linear programs and related problems (Evar D. Nering and Albert W. Tucker). *SIAM Review*, 36(4):666–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Coulton:1997:BRI**
- [Cou97] David L. Coulton. Book review: *An Introduction to Linear and Nonlinear Scattering Theory*, by G. F. Roach. *SIAM Review*, 39(2):336–337, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cressie:1997:BRI**
- [Cre97] Noel Cressie. Book review: *Introduction to Disjunctive Kriging and Non-Linear Geostatistics*, by J. Rivoirard. *SIAM Review*, 39(2):337–340, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Chiappetta:1984:TDW**
- [CS84] L. M. Chiappetta and D. R. Sobel. The temperature distribution within a hemisphere exposed to a hot gas stream. *SIAM Review*, 26(4):575–577, October 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cuvelier:1990:SNM**
- [CS90] C. Cuvelier and R. M. S. M. Schulkes. Some numerical methods for the computation of capillary free boundaries governed by the Navier-Stokes equations. *SIAM Review*, 32(3):355–423, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Corrlieb:1997:GPR**
- [CS97] David Corrlieb and Ch Wang Shu. On the Gibbs phenomenon and its resolution. *SIAM Review*, 39(4):644–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cox:1995:FSH**
- [CT95] Earl Cox and Rod Taber. The fuzzy systems handbook: A practitioner’s guide to building, using, and maintaining fuzzy systems. *SIAM Review*, 37(2):281–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cordes:1996:TPO**
- [CT96] H. O. Cordes and Michael Taylor. The technique of pseudodifferential operators. *SIAM Review*, 38(3):540–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Cox:2003:WBH**
- [CU03] Steven J. Cox and Paul X. Uhlig. Where best to hold a drum fast. *SIAM Review*, 45(1):75–92, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/41427>.
- Cullum:1994:NML**
- [Cul94] J. Cullum. Numerical methods for large eigenvalue problems (Yousef Saad). *SIAM Review*, 36(2):301–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cumberbatch:1991:MMC**
- [Cum91] Ellis Cumberbatch. Mathematical modelling: A case study approach (R. R. Clements). *SIAM Review*, 33(1):136–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cumberbatch:1992:CAM**
- [Cum92] Ellis Cumberbatch. A concrete approach to mathematical modelling (Michael Mesterton-Gibbons). *SIAM Review*, 34(1):140–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Cuvelier:1990:MEF**
- [Cuv90] C. Cuvelier. Methodes des éléments finis pour les fluides (O. Pironneau); English translation: Finite element methods for fluids (O. Pironneau). *SIAM Review*, 32(2):315–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Casey:1994:SCE**
- [CW94] Stephen D. Casey and David F. Walnut. Systems of convolution equations, deconvolution, Shannon sampling, and the wavelet and Gabor transforms. *SIAM Review*, 36(4):537–577, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/24616.htm>.
- Czyzyk:1999:OCS**
- [CWW99] Joseph Czyzyk, Timothy Wissniewski, and Stephen J. Wright. Optimization case studies in the NEOS guide. *SIAM Review*, 41(1):148–163, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33487>.
- Cybenko:1993:CCC**
- [Cyb93] George Cybenko. Computation and cognition (C. William Gear, ed.). *SIAM Review*, 35(1):147–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Christopolous:1996:TMM**
- [CZ96] Christos Christopolous and A. H. Zemanian. The transmission-line modeling method TLM. *SIAM Review*, 38(4):711–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Curtain:1996:IIL**
- [CZM96] R. F. Curtain, H. J. Zwart, and K. A. Morris. An introduction to infinite-dimensional linear system theory. *SIAM Review*, 38(3):536–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Daalhuis:1997:BRB**
- [Daa97] Adri Olde Daalhuis. Book review: Borel-Laplace Transform and Asymptotic Theory: Introduction to Resurgent Analysis, by Boris Yu Sternin and Victor E. Shatalov. *SIAM Review*, 39(1):159–161, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dancer:1991:ESB**
- [Dan91] E. N. Dancer. Elementary stability and bifurcation theory (Gerard Loos and Daniel D. Joseph). *SIAM Review*, 33(1):136–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Danby:1993:ODE**
- [Dan93] J. M. Anthony Danby. Ordinary differential equations (G. F. Carrier and E. E. Pearson). *SIAM Review*, 35(4):658–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Darling:1997:CNC**
- [Dar97] R. W. R. Darling. Classroom note: Converting matrix Riccati equations to second-order linear ODE. *SIAM Review*, 39(3):508–510, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29875>.
- Datta:1990:WPS**
- [Dat90] Subhendu K. Datta. Wave propagation in solids and fluids (J. L. Davis). *SIAM Review*, 32(3):500–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dauer:1990:IAT**
- [Dau90] Jerald P. Dauer. Iterative aggregation theory. mathematical methods of coordinating detailed and aggregate problems in large control systems (Lev M. Dudkin, Hya Rabinovich, and Ilya Vakhutinsky). *SIAM Review*, 32(1):168–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Davis:1991:NMD**
- [Dav91] Jon H. Davis. Nonnegative matrices in dynamic systems (Abraham Berman, Michael Neumann, and Donald J. Stern). *SIAM Review*, 33(2):300–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dax:1990:CLS**
- [Dax90] Achiya Dax. The convergence of linear stationary iterative processes for solving singular unstructured systems of linear equations. *SIAM Review*, 32(4):

- 611–635, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dax:1997:CNE**
- [Dax97] Achiya Dax. Classroom note: An elementary proof of Farkas' lemma. *SIAM Review*, 39(3): 503–507, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29550>.
- Boor:1995:BS**
- [dBHRR95] C. de Boor, K. Hollig, S. Riemschneider, and Amos Ron. Box splines. *SIAM Review*, 37(2):275–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dolev:2003:NC**
- [DDN03] Danny Dolev, Cynthia Dwork, and Moni Naor. Nonmalleable cryptography. *SIAM Review*, 45(4):727–784, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/42985>.
- DeYoung:2000:ERD**
- [De 00] Gary W. De Young. Exploring reflection: Designing light reflectors for uniform illumination. *SIAM Review*, 42(4): 727–735, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35885>.
- [Dea89] Michael A. B. Deakin. Stokes flow: an elementary treatment. *SIAM Review*, 31(4): 667–670, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Deakin:1989:SFE**
- [Dea90] Michael A. B. Deakin. Addendum: “Stokes flow: an elementary treatment” [SIAM rev. **31** (1989), no. 4, 667–670 and MR 90k:76043]. *SIAM Review*, 32(4):671, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Deakin:1990:AFE**
- [Dei92] Percy Deift. Direct and inverse problems: Potentials in quantum scattering (Boris Zakhарiev and Allina Suzko; G. Pontecorvo, trans.). *SIAM Review*, 34(1):141–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Deift:1992:DIP**
- [Del97] Manuel Delgado. Classroom note: The Lagrange-Charpit method. *SIAM Review*, 39(2):298–304, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29353>.
- Delgado:1997:CNL**
- [Dem90] James W. Demmel. Matrix computations (Gene Golub and
- Demmel:1990:MCG**

- Charles F. Van Loan). *SIAM Review*, 32(4):690–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- DeLillo:2001:SCM**
- [DEP01] T. K. DeLillo, A. R. Elcrat, and J. A. Pfaltzgraff. Schwarz-Christoffel mapping of the annulus. *SIAM Review*, 43(3):469–477, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37528>.
- Dunn:1995:MCL**
- [DEPC95] G. Dunn, B. Everitt, A. Pickles, and Wai Chan. Modelling covariances and latent variables using EQS. *SIAM Review*, 37 (3):462–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- DeRose:1991:CSC**
- [DeR91] Tony DeRose. Curves and surfaces for computer aided geometric design: A practical guide (Gerald Farin). *SIAM Review*, 33(2):301–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- DeSanti:1988:MPA**
- [DeS88] Albert J. DeSanti. Model for predicting aircraft altitude loss in a pull-up from a dive. *SIAM Review*, 30(4):625–628, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Deu85] P. Deuflhard. Recent progress in extrapolation methods for ordinary differential equations. *SIAM Review*, 27(4):505–535, December 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Deuflhard:1985:RPE**
- [Deu90] Frank Deutsch. Nonlinear approximation theory (Dietrich Braess). *SIAM Review*, 32 (1):172, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Deutsch:1990:NAT**
- [Deu95] Sid Deutsch. A resonant line structure consisting of rational right triangles. *SIAM Review*, 37(1):90–92, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/27020.htm>.
- Deutsch:1995:RLS**
- [Dev90] Robert L. Devaney. Practical numerical algorithms for chaotic systems (T. S. Parker and L. O. Chua). *SIAM Review*, 32(3):501–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Devaney:1990:PNA**
- [Dev91] Robert L. Devaney. Measure, topology, and fractal geometry (Gerald A. Edgar). *SIAM Review*, 33(4):668–??, December 1991. CODEN SIREAD.
- Devaney:1991:MTF**

- ISSN 0036-1445 (print), 1095-7200 (electronic).
- Devaney:1992:FAD**
- [DFG99] Robert L. Devaney. Fractals: An animated discussion with Edward Lorenz and Benoit Mandelbrot (H.-O. Peitgen, H. Jurgens, D. Saupe, and C. Zahlten). *SIAM Review*, 34(2):333–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Devaney:1994:CDL**
- [Dev92]
- [Dev94a] R. L. Devaney. Complex dynamics (Lennart Carleson and Theodore W. Gamelin). *SIAM Review*, 36(3):504–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Devaney:1994:RIC**
- [Dev94b]
- R. L. Devaney. Rational iteration: Complex analytic dynamical systems (Norbert Steinmetz). *SIAM Review*, 36(3):504–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Diaconis:1999:IRF**
- [DF99] Persi Diaconis and David Freedman. Iterated random functions. *SIAM Review*, 41(1):45–76, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33844>.
- Du:1999:CVT**
- [DFG99]
- Qiang Du, Vance Faber, and Max Gunzburger. Centroidal Voronoi tessellations: Applications and algorithms. *SIAM Review*, 41(4):637–676, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35283>.
- Drexler:1998:CB**
- [DG98]
- Michael Drexler and Martin J. Gander. Circular billiard. *SIAM Review*, 40(2):315–323, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31087>.
- Dongarra:1984:ILA**
- [DGK84]
- J. J. Dongarra, F. G. Gustavson, and A. Karp. Implementing linear algebra algorithms for dense matrices on a vector pipeline machine. *SIAM Review*, 26(1):91–112, January 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Du:1992:AAG**
- [DGP92]
- Qiang Du, Max D. Gunzburger, and Janet S. Peterson. Analysis and approximation of the Ginzburg-Landau model of superconductivity. *SIAM Review*, 34(1):54–81, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Diaz:1978:MPE</div> <p>[Dia78] J. B. Diaz. Mathematical prolegomena to every theory of homogeneous heat engines. <i>SIAM Review</i>, 20(2):265–277, April 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Dieci:1992:REB</div> <p>[Die92] Luca Dieci. The Riccati equation (S. Bittanti, A. J. Laub, and J. C. Willems, eds.). <i>SIAM Review</i>, 34(4):665–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Dijkstra:1990:LFM</div> <p>[Dij90] Hendrik A. Dijkstra. Low-gravity fluid mechanics: Mathematical theory of capillary phenomena (A. D. Myshkis, V. G. Babskii, N. D. Kopachevskii, L. A. Slobozhanin, and A. D. Tyuptsov; R. S. Wadhwa, trans.). <i>SIAM Review</i>, 32(4):691–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Dimock:1991:FAI</div> <p>[Dim91] J. Dimock. Functional analysis: An introduction for physicists (Nino Boccara). <i>SIAM Review</i>, 33(3):509–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Dinwoodie:1994:LDT</div> <p>[Din94] I. H. Dinwoodie. Large deviations techniques and applications (Amir Dembo and Ofer Zeitouni). <i>SIAM Review</i>, 36(2):303–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Dixon:1991:PEE</div> <p>[Dix91] Philip M. Dixon. Parameter estimation in ecology: The link between data and models (O. Richter and D. Sondgerath). <i>SIAM Review</i>, 33(4):687–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Jager:1998:TSP</div> <p>[dJFO98] E. M. de Jager, Jiang Furu, and Robert E. O’Malley, Jr. The theory of singular perturbations. <i>SIAM Review</i>, 40(1):168–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Disney:1985:QNS</div> <p>[DK85] Ralph L. Disney and Dieter König. Queueing networks: a survey of their random processes. <i>SIAM Review</i>, 27(3):335–403, September 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Dassios:1989:KIL</div> <p>[DK89] George Dassios and R. E. Kleinman. On Kelvin inversion and low-frequency scattering. <i>SIAM</i></p> |
|---|--|

- Review*, 31(4):565–585, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- DeOliveira:1997:BRM**
- [DK97] Victor De Oliveira and Benjamin Kedem. Book review: *Multivariate Geostatistics*, by Hans Wackernagel. *SIAM Review*, 39(2):340–341, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Duncan:1996:RPE**
- [DKS96] J. Duncan, D. Khavinson, and H. Shapiro. Rectangular parallelepipeds in ellipsoids. *SIAM Review*, 38(4):655–657, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29301>.
- Dontchev:1992:DMD**
- [DL92] Asen Dontchev and Frank Lempio. Difference methods for differential inclusions: A survey. *SIAM Review*, 34(2):263–294, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Davis:1995:MMO**
- [DL95] M. H. A. Davis and Suzanne Lenhart. Markov models and optimization. *SIAM Review*, 37(2):262–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dennis:1977:QNM**
- [DM77] J. E. Dennis, Jr. and Jorge J. Moré. Quasi-Newton methods, motivation and theory. *SIAM Review*, 19(1):46–89, January 1977. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Melo:1995:OD**
- [dMvSB95] W. de Melo, S. van Strien, and K. M. Brucks. One-dimensional dynamics. *SIAM Review*, 37(3):461–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Daalhuis:1998:ANS**
- [DO98] A. B. Olde Daalhuis and F. W. J. Olver. On the asymptotic and numerical solution of linear ordinary differential equations. *SIAM Review*, 40(3):463–495, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31534>.
- Dold:1991:MPC**
- [Dol91] J. W. Dold. Mathematical problems from combustion theory (Jerrold Bebernes and David Eberly). *SIAM Review*, 33(3):484–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dold:1993:NIP**
- [Dol93] J. W. Dold. A note on integral properties of periodic orbits. *SIAM Review*, 35(1):

- 125–129, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dontchev:1990:OIS**
- [Don90] Asen L. Dontchev. Optimization and identification of systems governed by evolution equations on Banach space (N. U. Ahmed). *SIAM Review*, 32(3):503–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dorr:1975:DSD**
- [Dor75] Fred W. Dorr. The direct solution of the discrete Poisson equation in $O(N^2)$ operations. *SIAM Review*, 17(??):412–415, ????. 1975. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Davis:1991:AMC**
- [DP91] Davis and Paul. Applied mathematics: A contemporary approach (J. David Logan). *SIAM Review*, 33(1):137–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dorr:1973:AMP**
- [DPS73] F. W. Dorr, S. V. Parter, and L. F. Shampine. Applications of the maximum principle to singular perturbation problems. *SIAM Review*, 15(1):43–88, ????. 1973. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Dra83] Lance D. Drager. A simple theorem on Riemann integration, based on classroom experience. *SIAM Review*, 25(2):255–259, April 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Drager:1983:STR**
- [Dri91] Theo S. H. Driessen. A survey of consistency properties in cooperative game theory. *SIAM Review*, 33(1):43–59, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Driessen:1991:SCP**
- [Dri97] Tobin A. Driscoll. Eigenmodes of isospectral drums. *SIAM Review*, 39(1):1–17, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28506>; <http://www.siam.org/journals/sirev/> [sirev391.htm].
- Driscoll:1997:EID**
- [DS79] J. E. Dennis, Jr. and R. B. Schnabel. Least change secant updates for quasi-Newton methods. *SIAM Review*, 21(4):443–459, October 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dennis:1979:LCS**
- [DTG98] George B. Dantzig, Mukund N. Thapa, and Saul I. Gass. Linear programming 1: Introduction. *SIAM Review*, 40(1):
- Dantzig:1998:LPI**

- [DTT98] Tobin A. Driscoll, Kim-Chuan Toh, and Lloyd N. Trefethen. From potential theory to matrix iterations in six steps. *SIAM Review*, 40(3):547–578, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Driscoll:1998:PTM**
- [Dub97] François Dubeau. Classroom note: Horizontal circular curves and cubics. *SIAM Review*, 39(1):110–117, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29320>; <http://www.siam.org/journals/sirev/sirev391.htm>.
- Dubeau:1997:CNH**
- [Duf70] R. J. Duffin. Linearizing geometric programs. *SIAM Review*, 12 (??):211–227, ???? 1970. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Duffin:1970:LGP**
- [Duf91a] Joseph Duffy. Introduction to theoretical kinematics (J. M. McCarthy). *SIAM Review*, 33 (2):302–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Duffy:1991:ITK**
- [Duf91b] [Dun94] [Dup93] [Dur90] [Dur92a]
- Duffy:1991:KGM**
- Joseph Duffy. Kinematic geometry of mechanisms (K. H. Hunt). *SIAM Review*, 33(4):678–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Duncan:1994:NMS**
- T. E. Duncan. Numerical methods for stochastic control problems in continuous time (Harold J. Kushner and Paul G. Dupuis). *SIAM Review*, 36(4):668–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dupac:1993:AAS**
- Vaclav Dupac. Adaptive algorithms and stochastic approximations (A Benveniste, M. Metivier, and P. Priouret). *SIAM Review*, 35(2):313–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Durrett:1990:PGG**
- Richard T. Durrett. Percolation (Geoffrey Grimmett). *SIAM Review*, 32(4):693–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Durrett:1992:IRW**
- Richard T. Durrett. Intersections of random walks (Gregory F. Lawler). *SIAM Review*, 34 (4):666–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Durrett:1992:PMS**
- [Dur92b] Rick Durrett. Probability metrics and the stability of stochastic models (Svetozar T. Rachev). *SIAM Review*, 34(1):147–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Duren:1993:IFY**
- [Dur93a] Peter Duren. Inequalities: Fifty years on from Hardy, Littlewood and Polya (W. Norrie Everitt, ed.). *SIAM Review*, 35(2):315–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Durrett:1993:MCN**
- [Dur93b] Rick Durrett. From Markov chains to nonequilibrium particle systems (Mu Fa Chen). *SIAM Review*, 35(3):514–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Durrett:1997:BRA**
- [Dur97] Rick Durrett. Book review: Applied Stochastic Processes: A Biostatistics and Population Oriented Approach, by Sudhendu Biswas. *SIAM Review*, 39(1):144, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Durrett:1999:SSM**
- [Dur99] Rick Durrett. Stochastic spatial models. *SIAM Review*, 41(4):677–718, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dutton:1982:FTC**
- [Dut82] John A. Dutton. Fundamental theorems of climate theory—some proved, some conjectured. *SIAM Review*, 24(1):1–33, January 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Dongarra:1995:SLL**
- [DW95] Jack J. Dongarra and David W. Walker. Software libraries for linear algebra computations on high performance computers. *SIAM Review*, 37(2):151–180, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/25458.htm>.
- Dyakonov:1998:OSE**
- [DX98] Eugene G. D'yakonov and Jin-chao Xu. Optimization in solving elliptic problems. *SIAM Review*, 40(1):177–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Easton:1991:ODE**
- [Eas91] Robert W. Easton. Ordinary differential equations: An introduction to nonlinear analysis (Herbert Amann; Gerhard Metzen, trans.). *SIAM Review*, 33(4):669–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Easton:1993:IHD**
- [Eas93] Robert W. Easton. Introduction to Hamiltonian dynamical systems and the N-body problem (K. R. Meyer and G. R. Hall). *SIAM Review*, 35(4):659–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- El-Bakry:1994:SII**
- [EBTZ94] A. S. El-Bakry, R. A. Tapia, and Y. Zhang. A study of indicators for identifying zero variables in interior-point methods. *SIAM Review*, 36(1):45–72, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/22277.htm>.
- Eckhaus:1977:FAS**
- [Eck77] Wiktor Eckhaus. Formal approximations and singular perturbations. *SIAM Review*, 19(??):593–633, ???? 1977. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ecker:1980:GPM**
- [Eck80] J. G. Ecker. Geometric programming: methods, computations and applications. *SIAM Review*, 22(3):338–362, July 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Eckhaus:1994:FCM**
- [Eck94] Wiktor Eckhaus. Fundamental concepts of matching. *SIAM Review*, 36(3):431–439, September 1994. CODEN SIREAD.
- Eden:1990:VCC**
- [Ede90] Alp Eden. Vibration and coupling of continuous systems: Asymptotic methods (Jacqueline Sanchez Hubert and Enrique Sanchez Palencia). *SIAM Review*, 32(4):693–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Edelman:1997:MPD**
- [Ede97] Alan Edelman. The mathematics of the Pentium division bug. *SIAM Review*, 39(1):54–67, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/29395>; <http://www.siam.org/journals/sirev/>sirev391.htm.
- Editors:2001:Sa**
- The Editors. SIGEST. *SIAM Review*, 43(1):127, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97063>.
- Edwards:2000:AEM**
- [Edw00] D. A. Edwards. An alternative example of the method of multiple scales. *SIAM Review*, 42(2):317–332, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- URL <http://pubs.siam.org/sam-bin/dbq/article/34845>.
- Eden:1996:EAD**
- [EFN⁺96] A. Eden, C. Foias, B. Nicolaenko, R. Temam, and Michael S. Jolly. Exponential attractors for dissipative evolution equations. *SIAM Review*, 38(1):171–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [EH98]
- Efron:1979:CTS**
- [Efr79] Bradley Efron. Computers and the theory of statistics: thinking the unthinkable. *SIAM Review*, 21(4):460–480, October 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Efron:1988:CIM**
- [Efr88] Bradley Efron. Computer-intensive methods in statistical regression. *SIAM Review*, 30(3):421–449, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Epureanu:1998:FBA**
- [EG98] Bogdan I. Epureanu and Henry S. Greenside. Fractal basins of attraction associated with a damped Newton’s method. *SIAM Review*, 40(1):102–109, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31003>.
- Elaydi:1998:C**
- Saber N. Elaydi and William A. Harris Jr. On the computation of A_n . *SIAM Review*, 40(4):965–971, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31923>.
- Estrada:1987:CTS**
- [EK87] R. Estrada and R. P. Kanwal. Carleman type singular integral equations. *SIAM Review*, 29(2):263–290, June 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Edelstein-Keshet:1991:MMM**
- Leah Edelstein-Keshet. Mathematical methods and models in the biological sciences (Martin Eisen). *SIAM Review*, 33(1):139–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Egorov:1997:STE**
- Yuri Egorov, Vladimir Kondratiev, and Martin Schechter. On spectral theory of elliptic operators. *SIAM Review*, 39(4):802–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Estrada:1996:AAD**
- R. Estrada, R. P. Kanwal, and Jet Wimp. Asymptotic analysis: A distributional approach. *SIAM Review*, 38(4):706–??, December 1996. CODEN SIREAD.

- ISSN 0036-1445 (print), 1095-7200 (electronic).
- Erbe:1996:OTF**
- [EKZA96] L. H. Erbe, Q. K. Kong, B. G. Zhang, and Ovide Arino. Oscillation theory for functional differential equations. *SIAM Review*, 38(4):680–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ellerman:1984:ATM**
- [Ell84] David P. Ellerman. Arbitrage theory: a mathematical introduction. *SIAM Review*, 26(2):241–261, April 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ellingwood:1990:RRE**
- [Ell90] Bruce Ellingwood. Reliability of randomly excited hysteretic structures (B. F. Spencer, Jr.). *SIAM Review*, 32(1):172–173, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ellickson:1992:EAT**
- [Ell92] Bryan Ellickson. The econometric analysis of transition data (Tony Lancaster). *SIAM Review*, 34(1):151–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ellis:1994:CPP**
- [Ell94] Steven P. Ellis. A course on point processes (R.-D. Reiss). *SIAM Review*, 36(1):124–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- 0036-1445 (print), 1095-7200 (electronic).
- Ellis:2002:FLT**
- [Ell02] Steven P. Ellis. Fitting a line to three or four points on a plane. *SIAM Review*, 44(4):616–628, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/37677>.
- Elsworth:1991:SAU**
- [Els91] Derek Elsworth. Slope analysis using boundary elements (Y. S. Jiang). *SIAM Review*, 33(1):141–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Embree:2003:THR**
- [Emb03] Mark Embree. The tortoise and the hare restart GMRES. *SIAM Review*, 45(2):259–266, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/39961>.
- Engeln-Mullges:1998:NAC**
- [EMUP98] Gisela Engeln-Mullges, Frank Uhlig, and John D. Pryce. Numerical algorithms with C and numerical algorithms with fortran. *SIAM Review*, 40(1):171–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Engl:1994:RMI**
- [Eng94] H. W. Engl. Regularization methods for ill-posed problems (V. A. Morozov). *SIAM Review*, 36(3):505–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Engelberg:2003:SST**
- [Eng03] Shlomo Engelberg. Spread spectrum from two perspectives. *SIAM Review*, 45(3):574–587, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/40692>.
- Epperson:1986:AIO**
- [Epp86] James F. Epperson. Analysis and implementation of an oxygen absorption model. *SIAM Review*, 28(3):389–393, September 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Eberle:1995:NSE**
- [ERHO95] Albrecht Eberle, Arthur Rizzi, Ernst Heinrich Hirschel, and Paul D. Orkwis. Numerical solutions of the Euler equations for steady flow problems. *SIAM Review*, 37(2):271–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Eiseman:1980:CLF**
- [ES80] P. R. Eiseman and A. P. Stone. Conservation laws of fluid dynamics—a survey. *SIAM Review*, 22(1):12–27, January 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Eslami:1993:OSB**
- [Esl93] Mansour Eslami. Optimization of a stability bound. *SIAM Review*, 35(4):625–630, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Eslami:1996:ESB**
- [Esl96] Mansour Eslami. On the extension of a stability bound: The multiple large-parameter variations case. *SIAM Review*, 38(1):120–127, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/p120.htm>.
- Espelid:1995:FPS**
- [Esp95] T. O. Espelid. On floating-point summation. *SIAM Review*, 37(4):603–607, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/27303.htm>.
- Embree:1999:GFM**
- [ET99] Mark Embree and Lloyd N. Trefethen. Green’s functions for multiply connected domains via conformal mapping. *SIAM Review*, 41(4):745–761, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://>

- [epubs.siam.org/sam-bin/dbq/article/34927](http://pubs.siam.org/sam-bin/dbq/article/34927).
- Eubank:1988:OGS**
- [Eub88] R. L. Eubank. Optimal grouping, spacing, stratification, and piecewise constant approximation. *SIAM Review*, 30(3):404–420, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Eijkhout:1991:RSC**
- [EV91] Victor Eijkhout and Panayot Vassilevski. The role of the strengthened Cauchy-Buniakowski-Schwarz inequality in multilevel methods. *SIAM Review*, 33(3):405–419, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Falk:1993:MFE**
- [Fal93] Richard S. Falk. Mixed and finite element methods (Franco Brezzi and Michel Fortin). *SIAM Review*, 35(3):515–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Farin:1993:GMN**
- [Far93] G. Farin. Geometric modelling for numerically controlled machining (K Marciniak). *SIAM Review*, 35(3):517–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Farebrother:1994:PMC**
- [Far94] R. W. Farebrother. Pitman’s measure of closeness — A comparison of statistical estimators (Jerome P. Keating, Robert L. Mason, and Pranab K. Sen). *SIAM Review*, 36(3):507–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fateman:1993:ADA**
- [Fat93] Richard J. Fateman. Automatic differentiation of algorithms: Theory, implementation, and application (Andreas Griewank and George F. Corliss, eds.). *SIAM Review*, 35(4):659–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fazio:1998:SAN**
- [Faz98] Riccardo Fazio. A similarity approach to the numerical solution of free boundary problems. *SIAM Review*, 40(3):616–635, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28505>.
- Fernandez-Cara:1999:ANC**
- [FC99] Enrique Fernández-Cara. On the approximate and null controllability of the Navier-Stokes equations. *SIAM Review*, 41(2):269–277, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33458>.

- Flaherty:2003:PT**
- [FE03] Joe Flaherty and Section Editor. Problems and techniques. *SIAM Review*, 45(4):687, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97117>.
- Feeeman:2000:EAW**
- [Fee00] Timothy G. Feeeman. Equal area world maps: A case study. *SIAM Review*, 42(1):109–114, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35899>.
- Feliachi:1990:CPD**
- [Fel90] Ali Feliachi. Control of partially-known dynamical systems (A. A. Bahnasawi and M. S. Mahmoud). *SIAM Review*, 32(4):694–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fenstad:1994:HTP**
- [Fen94] J. E. Fenstad. Hilbert’s tenth problem (Y. V. Matiyasevich). *SIAM Review*, 36(4):669–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fernandez:1997:CNL**
- [Fer97] Luis A. Fernández. Classroom note: On the limits of the Lagrange multiplier rule. *SIAM Review*, 39(2):292–297, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29352>.
- Farkas:1995:PM**
- [FF95] Miklos Farkas and H. I. Freedman. Periodic motions. *SIAM Review*, 37(4):626–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fonseca:1997:DTA**
- [FGA97] Irene Fonseca, Wilfrid Gangbo, and Antonio Ambrosetti. Degree theory in analysis and applications. *SIAM Review*, 39(3):528–529, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Forsgren:2002:IMN**
- [FGW02] Anders Forsgren, Philip E. Gill, and Margaret H. Wright. Interior methods for nonlinear optimization. *SIAM Review*, 44(4):525–597, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/41494>.
- Falk:1995:LSN**
- [FHRO95] Michael Falk, Jurg Husler, Rolf-Dieter Reiss, and George L. O’Brien. Laws of small numbers: Extremes and rare events. *SIAM Review*, 37(4):634–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Fierro:1993:TLS**
- [Fie93] Ricardo D. Fierro. The total least squares problem: Computational aspects and analysis (S. Van Huffel and J. Vandewalle). *SIAM Review*, 35(4):660–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Figotin:1993:STR**
- [Fig93] Alex Figotin. Spectral theory of random schrödinger operators (Rene Carmona and Jean Lacroix). *SIAM Review*, 35(2):316–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fink:1993:OES**
- [Fin93] A. M. Fink. Optimality and equilibria in stochastic games (F. Thuijsman). *SIAM Review*, 35(3):518–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Firey:1992:GEC**
- [Fir92] William J. Firey. Geometric études in combinatorial mathematics (Vladimir G Boltyanski and Alexander Soifer). *SIAM Review*, 34(3):508–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Firey:1997:BRG**
- [Fir97] Wm. J. Firey. Book review: Geometric Tomography Encyclopedia of Mathematics and its Applications. Vol. 58, by Richard [Fis88a]
- J. Gardner. *SIAM Review*, 39(1):144–145, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fishburn:1988:COP**
- Peter C. Fishburn. Combinatorial optimization problems for systems of subsets. *SIAM Review*, 30(4):578–588, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fisher:1988:PPT**
- Dawn Fisher. Pressure potential in two dimensions. *SIAM Review*, 30(2):305–307, June 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fishburn:1993:CPO**
- Peter C. Fishburn. Combinatorics and partially ordered sets: Dimension theory (William T. Trotter). *SIAM Review*, 35(3):519–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fix:1993:SCM**
- George J. Fix. Scientific computations on mathematical problems and conjectures (Richard S. Varga). *SIAM Review*, 35(2):318–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Flajolet:1997:BRA**
- Philippe Flajolet. Book review: *Analysis of Algorithms — Com-*
- [Fis88b]
- [Fis93]
- [Fix93]
- [Fla97]

- putational Methods and Mathematical Tools*, by Micha Hofri. *SIAM Review*, 39(2):341–345, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Flaherty:1999:PTa**
- [Fla99a] Joe Flaherty. Problems and techniques. *SIAM Review*, 41(1):83–84, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97020>.
- Flaherty:1999:PTb**
- [Fla99b] Joe Flaherty. Problems and techniques. *SIAM Review*, 41(2):267–268, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97025>.
- Flaherty:1999:PTc**
- [Fla99c] Joe Flaherty. Problems and techniques. *SIAM Review*, 41(3):511, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97030>.
- Flaherty:1999:PTd**
- [Fla99d] Joe Flaherty. Problems and techniques. *SIAM Review*, 41(4):719, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97036>.
- Flaherty:2000:PTa**
- Joe Flaherty. Problems and techniques. *SIAM Review*, 42(1):41, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97042>.
- Flaherty:2000:PTb**
- Joe Flaherty. Problems and techniques. *SIAM Review*, 42(2):231, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97046>.
- Flaherty:2000:PTc**
- Joe Flaherty. Problems and techniques. *SIAM Review*, 42(3):415, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97052>.
- Flaherty:2000:PTd**
- Joe Flaherty. Problems and techniques. *SIAM Review*, 42(4):655, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97057>.
- Flaherty:2001:PTa**
- Joe Flaherty. Problems and techniques. *SIAM Review*, 43(1):87, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97061>.

- [epubs.siam.org/sam-bin/dbq/article/97062](http://pubs.siam.org/sam-bin/dbq/article/97062).
- Flaherty:2001:PTb**
- [Fla01b] Joe Flaherty. Problems and techniques. *SIAM Review*, 43(2):287, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97067>.
- Flaherty:2001:PTc**
- [Fla01c] Joe Flaherty. Problems and techniques. *SIAM Review*, 43 (3):467, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97072>.
- Flaherty:2001:PTd**
- [Fla01d] Joe Flaherty. Problems and techniques. *SIAM Review*, 43 (4):621, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97077>.
- Flaherty:2002:PTa**
- [Fla02a] Joe Flaherty. Problems and techniques. *SIAM Review*, 44(1):55, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97082>.
- Flaherty:2002:PTb**
- [Fla02b] Joe Flaherty. Problems and techniques. *SIAM Review*, 44(2):225, June 2002. CODEN SIREAD.
- [Fla02c] ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97087>.
- Flaherty:2002:PTc**
- [Fla02d] Joe Flaherty. Problems and techniques. *SIAM Review*, 44 (3):371, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97092>.
- Flaherty:2002:PTd**
- [Fla03a] Joe Flaherty. Problems and techniques. *SIAM Review*, 44 (4):599, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97097>.
- Flaherty:2003:PTa**
- [Fla03b] Joe Flaherty. Problems and techniques. *SIAM Review*, 45(1):51, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97102>.
- Flaherty:2003:PTb**
- [Fla03c] Joe Flaherty. Problems and techniques. *SIAM Review*, 45(2):257, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97107>.
- Flaherty:2003:PTc**
- [Fla03d] Joe Flaherty. Problems and techniques. *SIAM Review*, 45

- (3):483, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97112>.
- Friedman:1996:IMC**
- [FLC96] Avner Friedman, Walter Littman, and Ellis Cumberbatch. Industrial mathematics: A course in solving real-world problems. *SIAM Review*, 38(2):341–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fleming:1990:OCD**
- [Fle90] Wendell H. Fleming. Optimal control of diffusion processes (Vivek S. Borkar). *SIAM Review*, 32(3):503–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Flury:1990:ARS**
- [Flu90] Bernard D. Flury. Acceptance-rejection sampling made easy. *SIAM Review*, 32(3):474–476, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Flury:1993:UGP**
- [Flu93] Bernard Flury. A user’s guide to principal components (Edward Jackson). *SIAM Review*, 35(1):148–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [FO99] Bruce R. Fabijonas and F. W. J. Olver. On the reversion of an asymptotic expansion and the zeros of the Airy functions. *SIAM Review*, 41(4):762–773, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34953>.
- Fabijonas:1999:RAE**
- [For59] G. E. Forsythe. Reprint of a note on rounding-off errors. *SIAM Review*, 1(1):66–67, ??? 1959. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Forsythe:1959:RNR**
- [For96] William F. Ford. Clarification of: “Turn performance of aircraft” [SIAM Rev. 36 (1994), no. 3, 470–473] by J. S. Wolper. *SIAM Review*, 38(2):309–312, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/p309.htm>.
- Ford:1996:CTP**
- [For98] Bengt Fornberg. Classroom note: Calculation of weights in finite difference formulas. *SIAM Review*, 40(3):685–691, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32250>.
- Fornberg:1998:CNC**

- Fossum:1990:TBE**
- [Fos90] A. F. Fossum. Topics in boundary element research, volume 4: Applications in geomechanics (C. A. Brebbia, ed.). *SIAM Review*, 32(1):173–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fukushima:1996:DFS**
- [FOTG96] Masatoshi Fukushima, Yoichi Oshima, Masayoshi Takeda, and Ronald Getoor. Dirichlet forms and symmetric Markov processes. *SIAM Review*, 38(1):166–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fourer:1984:SMS**
- [Fou84] Robert Fourer. Staircase matrices and systems. *SIAM Review*, 26(1):1–70, January 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ford:1996:ACN**
- [FP96] William F. Ford and James A. Pennline. Accelerated convergence in Newton’s method. *SIAM Review*, 38(4):658–659, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29297>.
- Ferris:1997:EEA**
- [FP97] M. C. Ferris and J. S. Pang. Engineering and economic applications of complementarity problems. *SIAM Review*, 39(4):669–713, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28596>.
- Ferziger:1997:CMF**
- [FPM97] Joel H. Ferziger, Milovan Peric, and K. W. Morton. Computational methods for fluid dynamics. *SIAM Review*, 39(4):801–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fox:1966:CMD**
- [FR66] David W. Fox and Werne C. Rheinboldt. Computational methods for determining lower bounds for eigenvalues of operators in Hilbert space. *SIAM Review*, 8(4):427–462, October 1966. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fredricksen:1982:SFL**
- [Fre82] Harold Fredricksen. A survey of full length nonlinear shift register cycle algorithms. *SIAM Review*, 24(2):195–221, April 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Friedman:1979:OSP**
- [Fri79a] Avner Friedman. Optimal stopping problems in stochastic control. *SIAM Review*, 21(1):71–80, January 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Friedman:1979:TDF**
- [Fri79b] Avner Friedman. Time dependent free boundary problems. *SIAM Review*, 21(2):213–221, April 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Friedrichs:1980:NHS**
- [Fri80] K. O. Friedrichs. von Neumann’s Hilbert space theory and partial differential equations. *SIAM Review*, 22(4):486–493, October 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Faber:1996:FDP**
- [FS96] T. E. Faber and P. G. Saffman. Fluid dynamics for physicists. *SIAM Review*, 38(4):700–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Fahrmeir:1995:MSM**
- [FTM95] Ludwig Fahrmeir, Gerhard Tutz, and Brian D. Marx. Multivariate statistical modelling based on generalized linear models. *SIAM Review*, 37(4):633–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gupta:1993:MMD**
- [GAM93] Sunetra Gupta, Roy M. Anderson, and Robert M. May. Mathematical models and the design of public health policy: HIV and antiviral therapy. *SIAM Review*,
- [Gan98] [Gar89]
- 35(1):1–16, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gander:1998:CNN**
- Martin J. Gander. Classroom note: Note on the optimal intercept time of vessels to a nonzero range. *SIAM Review*, 40(3):673, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31924>.
- Garabedian:1989:CMF**
- P. R. Garabedian. Computational models in fusion research. *SIAM Review*, 31(4):542–559, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gardner:1991:SEP**
- Carl L. Gardner. Semiconductor equations (P. A. Markowich, C. A. Ringhofer, and C. Schmeiser). *SIAM Review*, 33(4):675–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gardiner:1993:FMC**
- Judith D. Gardiner. Fundamentals of matrix computations (David S. Watkins). *SIAM Review*, 35(3):520–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Gardner:1994:WAA**
- [Gar94] W. Gardner. Wavelets: Algorithms and applications (Yves Meyer): Author's comment. *SIAM Review*, 36(3):528–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Garcia:2000:OSF**
- [Gar00] Antonio G. Garcia. Orthogonal sampling formulas: A unified approach. *SIAM Review*, 42(3):499–512, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36349>.
- Grosjean:1997:PLP**
- [GdJ97] C. C. Grosjean and J. Van der Jeugt. Problems: A Laguerre polynomial identity (problem 97-5). *SIAM Review*, 39(1):126, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gear:1981:NSO**
- [Gea81] C. W. Gear. Numerical solution of ordinary differential equations: is there anything left to do. *SIAM Review*, 23(1):10–24, January 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Geoffrion:1967:IPI**
- [Geo67] A. M. Geoffrion. Integer programming by implicit enumeration and Balas' method. *SIAM Review*, 9(?):178–190, ????
- Geoffrion:1971:DNP**
- [Geo71] 1967. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Geoffrion:1971:DNP**
- A. M. Geoffrion. Duality in nonlinear programming: a simplified applications-oriented development. *SIAM Review*, 13(1):1–37, ??? 1971. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gerlach:1994:ACN**
- [Ger94] Jürgen Gerlach. Accelerated convergence in Newton's method. *SIAM Review*, 36(2):272–276, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25467.htm>.
- Geveci:1982:SSD**
- [Gev82] T. Geveci. The significance of the stability of difference schemes in different l^p -spaces. *SIAM Review*, 24(4):413–426, October 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Garcia:1980:RBS**
- [GG80] C. B. García and F. J. Gould. Relations between several path following algorithms and local and global Newton methods. *SIAM Review*, 22(3):263–274, July 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Goldberg:1991:PAF</div> <p>[GG91] Andrew V. Goldberg and Dan Gusfield. Potokavie Algoritmi (flow algorithms) (G. M. Adel'son-Vel'ski, E. A. Dinitz, and A. V. Karzanov). <i>SIAM Review</i>, 33(2):306–314, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gibbons:1995:SMG</div> <p>[GG95] Robert D. Gibbons and Edward J. Gilroy. Statistical methods for groundwater monitoring. <i>SIAM Review</i>, 37(4):628–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gander:1999:DNM</div> <p>[GG99] Walter Gander and Dominik Gruntz. Derivation of numerical methods using computer algebra. <i>SIAM Review</i>, 41(3):577–593, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/35093.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Guenther:1996:HAC</div> <p>[GGK96] R. B. Guenther, J. A. Gottsch, and D. B. Kramer. The Herglotz algorithm for constructing canonical transformations. <i>SIAM Review</i>, 38(2):287–293, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/p287.htm.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Gravesen:2001:GSC</div> <p>[GH01] Jens Gravesen and Christian Henriksen. The geometry of the scroll compressor. <i>SIAM Review</i>, 43(1):113–126, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/36212.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Ghandehari:1994:FCJ</div> <p>[Gha94] Mostafa Ghandehari. Foundations of coding (J. Adamek). <i>SIAM Review</i>, 36(1):125–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gatica:1997:BEM</div> <p>[GHC97] Gabriel N. Gatica, George C. Hsiao, and Carsten Carstensen. Boundary-field equation methods for a class on nonlinear problems. <i>SIAM Review</i>, 39(3):529–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Glassey:1997:CPK</div> <p>[GI97] Robert T. Glassey and Reinhard Illner. The Cauchy problem in kinetic theory. <i>SIAM Review</i>, 39(3):532–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gibson:1997:BRM</div> <p>[Gib97] Peter M. Gibson. Book review: Matrices of Sign-Solvable Linear Systems, by Richard A. Brualdi and Bryan L. Shader. <i>SIAM Review</i>, 39(1):145–146, March 1997.</p> |
|--|---|

- CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gilbert:1990:MCA**
- [Gil90] Robert P. Gilbert. Methods of complex analysis in partial differential equations with applications (Manfred Kracht and Erwin Kreyszig). *SIAM Review*, 32(1):174-??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Grenander:1995:GPT**
- [GK95] U. Grenander and Daniel Keenan. General pattern theory: A mathematical study of regular structures. *SIAM Review*, 37(2):258-??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Grenander:1998:EPT**
- [GK98] U. Grenander and Daniel Keenan. Elements of pattern theory. *SIAM Review*, 40(1):155-??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- George:1989:EMD**
- [GL89] Alan George and Joseph W. H. Liu. The evolution of the minimum degree ordering algorithm. *SIAM Review*, 31(1):1-19, March 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Govinder:1998:EDE**
- [GL98] K. S. Govinder and P. G. L. Leach. An elementary demon-
- stration of the existence of $\mathfrak{sl}(3, R)$ symmetry for all second-order linear ordinary differential equations. *SIAM Review*, 40(4):945-946, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31683>.
- Glass:1994:IMC**
- [Gla94] E. Glass. An introduction to mathematical cosmology (J. N. Islam). *SIAM Review*, 36(3):507-??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Glasser:1997:SIS**
- [Gla97] M. L. Glasser. Solutions: An integral from a Stefan problem (problem 96-4) (Glenn Ledder). *SIAM Review*, 39(1):141, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Glimm:1991:NSP**
- [Gli91a] James Glimm. Nonlinear and stochastic phenomena: The grand challenge for partial differential equations. *SIAM Review*, 33(4):626-643, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Glimm:1991:PFT**
- [Gli91b] James Glimm. The physics of fluid turbulence (W. D. McComb). *SIAM Review*, 33(4):673-??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- DEN SIREAD. ISSN 0036-1445
(print), 1095-7200 (electronic).
- Ghoussoub:1995:DPM**
- [GM95] N. Ghoussoub and Jean Mawhin. Duality and perturbation methods in critical point theory. *SIAM Review*, 37(2):265–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Grotzes:1996:MLI**
- [GM96] George Grotzes and Kenneth R. Meyer. Math into LATEX: An introduction to LATEX and AMS-LATEX. *SIAM Review*, 38 (3):535–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gill:1991:ICM**
- [GMSW91] P. E. Gill, W. Murray, M. A. Saunders, and M. H. Wright. Inertia-controlling methods for general quadratic programming. *SIAM Review*, 33(1):1–36, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Golub:1989:SHC**
- [GO89] Gene H. Golub and Dianne P. O’Leary. Some history of the conjugate gradient and Lanczos algorithms: 1948–1976. *SIAM Review*, 31(1):50–102, March 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Golub:1973:SMM**
- [Gol73] Gene H. Golub. Some modified matrix eigenvalue problems. *SIAM Review*, 15(2):318–344, April 1973. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). Cited in Åke Björck’s bibliography on least squares, which is available by anonymous ftp from `math.liu.se` in `pub/references`.
- Goldstein:1993:ASE**
- [Gol93] Jerome A. Goldstein. Attractors for semigroups and evolution equations (Olga Ladyzhenskaya). *SIAM Review*, 35(4):664–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gonzaga:1992:PFM**
- [Gon92] Clovis C. Gonzaga. Path-following methods for linear programming. *SIAM Review*, 34 (2):167–224, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Good:1959:SLR**
- [Goo59] R. A. Good. Systems of linear relations. *SIAM Review*, 1(1):1–31, ????. 1959. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Good:1990:FEM**
- [Goo90] I. J. Good. Fractals everywhere (Michael Barnsley). *SIAM Review*, 32(2):317–??, June 1990.

- CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Good:1991:SFI**
- [Goo91a] I. J. Good. The science of fractal images (Heinz-Otto Peitgen and Dietmar Saupe, eds.). *SIAM Review*, 33(3):496–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Goodwin:1991:SOC**
- [Goo91b] G. C. Goodwin. Stochastic optimal control theory with application in self-tuning control (K. J. Hunt). *SIAM Review*, 33(1):142–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Glowinski:1979:NMF**
- [GP79] R. Glowinski and O. Pironneau. Numerical methods for the first biharmonic equation and the two-dimensional Stokes problem. *SIAM Review*, 21(2):167–212, April 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Goldberg:1992:MTD**
- [GP92] M. Goldberg and D. L. Powers. A machine-tool design. *SIAM Review*, 34(1):114–117, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Giorgi:2002:BSD**
- [GP02] T. Giorgi and D. Phillips. The breakdown of superconductivity due to strong fields for the Ginzburg–Landau model. *SIAM Review*, 44(2):237–256, June 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/39951>.
- Gallivan:1990:PAD**
- [GPS90] K. A. Gallivan, R. J. Plemmons, and A. H. Sameh. Parallel algorithms for dense linear algebra computations. *SIAM Review*, 32(1):54–135, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gajic:1996:LME**
- [GQJ96] Zoran Gajic, Muhammad Tahir Javed Qureshi, and Lucas Jodar. Lyapunov matrix equation in system stability and control. *SIAM Review*, 38(4):691–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gravesen:1983:CTC**
- [Gra83] Jens Gravesen. Catastrophe theory and caustics. *SIAM Review*, 25(2):239–247, April 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gray:1991:STD**
- [Gra91] L. J. Gray. Storage tank design. *SIAM Review*, 33(2):271–274, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Gray:1993:EMD**
- [Gra93] J. Brian Gray. Exploratory and multivariate data analysis (Michel Jambu). *SIAM Review*, 35(3):521–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gray:1994:GDT**
- [Gra94] Jeremy J. Gray. Galois' dream-group theory and differential equations (Michio Kuga). *SIAM Review*, 36(1):126–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Grandine:2000:AC**
- [Gra00] Thomas A. Grandine. Applications of contouring. *SIAM Review*, 42(2):297–316, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36403>.
- Greville:1960:SAP**
- [Gre60] T. N. E. Greville. Some applications of the pseudoinverse of a matrix. *SIAM Review*, 2 (1):15–22, ???? 1960. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Green:1997:BRD**
- [Gre97] Leon W. Green. Book review: Dynamical Systems of Algebraic Origin, by Klaus Schmidt. *SIAM Review*, 39(1):146–148, March 1997. CODEN SIREAD.
- Grinold:1972:SAL**
- [Gri72] Richard C. Grinold. Steepest ascent for large-scale linear programs. *SIAM Review*, 14(??):447–464, ???? 1972. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Griewank:1985:SNE**
- [Gri85] A. Griewank. On solving nonlinear equations with simple singularities or nearly singular solutions. *SIAM Review*, 27(4):537–563, December 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Godlewski:1998:NAH**
- [GRL98] Edwige Godlewski, Pierre-Arnaud Raviart, and Randall J. LeVeque. Numerical approximation of hyperbolic systems of conservation laws. *SIAM Review*, 40 (1):160–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gradshteyn:1997:TIS**
- [GRS97] I. S. Gradshteyn, I. M. Ryzik, and Joseph J. Shirron. Table of integrals, series, and products. *SIAM Review*, 39(4):803–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gruendler:1993:NSP**
- [Gru93] Joseph Gruendler. Nonlinear systems (P. G. Drazin). *SIAM*

- Review*, 35(4):662–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Grz89] J. A. Grzesik. Von Neumann’s rejection technique reexamined. *SIAM Review*, 31(3):486–489, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Gud78] Stanley P. Gudder. Erratum: “Convexity and mixtures” (siam rev. **19** (1977), no. 2, 221–240). *SIAM Review*, 20(4):837, October 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Gottlieb:1997:GPR] David Gottlieb and Chi-Wang Shu. On the Gibbs phenomenon and its resolution. *SIAM Review*, 39(4):644–668, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30139>.
- [Gud84] Stanley P. Gudder. An extension of classical measure theory. *SIAM Review*, 26(1):71–89, January 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Gottlieb:2001:SSP] Sigal Gottlieb, Chi-Wang Shu, and Eitan Tadmor. Strong stability-preserving high-order time discretization methods. *SIAM Review*, 43(1):89–112, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36757>.
- [Guanrong:1992:LCD] Chen Guanrong. Linear controller design: Limits of performance (Stephen P Boyd and Craig H. Barratt). *SIAM Review*, 34(4):663–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Gue92] Tu Guizhang. Integrable systems of classical mechanics and Lie algebras, vol. I (A. M. Perelomov; A. G. Reyman, trans.). *SIAM Review*, 34(1):137–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Gui92] Murli M. Gupta. Numerical methods and software (David Kahaner, Cleve Moler, and
- [Gudder:1978:EMS]
- [Gudder:1984:ECM]
- [Guenther:1992:ACB]
- [Guizhang:1992:ISC]
- [Gupta:1991:NMS]

- Stephen Nash). *SIAM Review*, 33(1):144–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gupta:1998:CNP**
- [Gup98] Ramesh C. Gupta. Classroom note: On particular solutions of linear difference equations with constant coefficients. *SIAM Review*, 40(3):680–684, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32019>.
- Gustafson:1990:SPN**
- [Gus90] Karl Gustafson. Stochastic processes in the neurosciences (Henry C Tuckwell). *SIAM Review*, 32(2):318–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Guttorp:1990:ITP**
- [Gut90] Peter Guttorp. An introduction to the theory of point processes (D. J. Daley and D. Vere-Jones). *SIAM Review*, 32(1):175–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Gut:1997:BRP**
- [Gut97] Allan Gut. Book review: Probability Theory: An Advanced Course, by Vivek S. Borkar. *SIAM Review*, 39(1):149–150, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [GVL97] [GW76] [GYS95] [Haa93] [Hag89]
- Ganzha:1997:NSP**
- Victor G. Ganzha, Evgenii V. Vorozhtsov, and Biyue Liu. Numerical solutions for partial differential equations: Problem solving using mathematics. *SIAM Review*, 39(4):800–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Golub:1976:ICE**
- G. H. Golub and J. H. Wilkinson. Ill-conditioned eigensystems and the computation of the Jordan canonical form. *SIAM Review*, 18(4):578–619, October 1976. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Glasserman:1995:MSD**
- P. Glasserman, D. D. Yao, and Alexander Shapiro. Monotone structure in discrete-event systems. *SIAM Review*, 37(3):474–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Haake:1993:FSI**
- F. Haake. Foundations of synergetics II, complex patterns (A. S. Mikhailov and A. Yu. Loskutov). *SIAM Review*, 35(3):524–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hager:1989:UIM**
- William W. Hager. Updating the inverse of a matrix. *SIAM Review*, 31(2):221–239, June 1989.

- [Hal90] Thomas G. Hallam. The theory of evolution and dynamical systems: Mathematical aspects of selection (Josef Hofbauer and Karl Sigmund). *SIAM Review*, 32(2):322–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hallam:1990:TED**
- [Ham90] Horst W. Hamacher. Theoretical and computational aspects of simulated annealing (P. J. M. van Laarhoven); simulated annealing: Theory and applications (P. J. M. van Laarhoven and E. H. L. Aarts). *SIAM Review*, 32 (3):504–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hamacher:1990:TCA**
- [Han86] George H. Handelman. Some reminiscences about Richard C. DiPrima: 1927–1984. *SIAM Review*, 28(3):307–313, September 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Handelman:1986:SRA**
- [Han89] Vagn Lundsgaard Hansen. Minima for elastics on rigid cylinders. *SIAM Review*, 31(2):310–317, June 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hansen:1989:MER**
- [Han91] Kenneth B. Hannsgen. Retarded dynamical systems: Stability and characteristics functions (G. Stepan). *SIAM Review*, 33(1):147–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hannsgen:1991:RDS**
- [Han92] Per Christian Hansen. Analysis of discrete ill-posed problems by means of the L -curve. *SIAM Review*, 34(4):561–580, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hansen:1992:ADI**
- [Han94] M. Hanke. Convergence of iterations for linear equations (Olavi Nevanlinna). *SIAM Review*, 36 (3):508–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hanke:1994:CIL**
- [Har93] H. Leon Harter. Order statistics and inference: Estimation methods (N Balakrishnan and A. Clifford Cohen). *SIAM Review*, 35 (1):149–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Harter:1993:OSI**
- [Has92] S. P. Hastings. Differential equations and dynamical systems (Lawrence Perko). *SIAM Review*, 34(1):129–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hastings:1992:DED**

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Altay-Salih:2003:CNP</div> <p>[hASPL03] Asli han Altay-Salih, Mustafa C. Pinar, and Sven Leyffer. Constrained nonlinear programming for volatility estimation with GARCH models. <i>SIAM Review</i>, 45(3):485–503, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://epubs.siam.org/sam-bin/dbq/article/40011.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Haussmann:1981:SEO</div> <p>[Hau81] U. G. Haussmann. Some examples of optimal stochastic controls or: the stochastic maximum principle at work. <i>SIAM Review</i>, 23(3):292–307, July 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Haug:1990:VPC</div> <p>[Hau90] Edward J. Haug. Variational principles of continuum mechanics with engineering applications. volume 2: Introduction to optimal design theory (Vadim Komkov). <i>SIAM Review</i>, 32(4):696–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Hjorth:1995:CIS</div> <p>[HB95] J. S. Urban Hjorth and R. J. Beran. Computer intensive statistical methods. <i>SIAM Review</i>, 37(3):459–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">HB96</div> <p>[Hea91] [Hei93a]</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Healey:1991:STR</div> <p>[Hei93b]</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Heij:1993:ILS</div> <p>[Hei95]</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Heil:1993:TLW</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Heijmans:1995:MMM</div> |
|---|--|
- [HB96] Martin Hanke and Helmut Brakhage. Conjugate gradient type methods for ill-posed problems. *SIAM Review*, 38(4):682–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Hea91] Timothy J. Healey. Singularity theory, rod theory and symmetry-breaking loads (John F. Pierce). *SIAM Review*, 33(2):314–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Hei93a] Christiaan Heij. Implicit linear systems (J. D. Aplevich). *SIAM Review*, 35(1):150–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Hei93b] Christopher Heil. Ten lectures on wavelets (Ingrid Daubechies). *SIAM Review*, 35(4):666–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Hei95] Henk J. A. M. Heijmans. Mathematical morphology: A modern approach in image processing based on algebra and geometry. *SIAM Review*, 37(1):1–36, March 1995. CODEN SIREAD.

- ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/23546.htm>.
- Heinrich:1997:BRC**
- [Hei97] Katherine Heinrich. Book review: *The CRC Handbook of Combinatorial Designs*, by Charles J. Colbourn and Jeffrey H. Dinitz. *SIAM Review*, 39(2):345–346, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Heller:1978:SPA**
- [Hel78] Don Heller. A survey of parallel algorithms in numerical linear algebra. *SIAM Review*, 20(4):740–777, October 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Helffer:1997:BRI**
- [Hel97] Bernard Helffer. Book review: Introduction to Spectral Theory, with Applications to Schrödinger Operators, by P. D. Hislop and I. M. Sigal. *SIAM Review*, 39(1):150–152, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Henrici:1979:FFM**
- [Hen79] Peter Henrici. Fast Fourier methods in computational complex analysis. *SIAM Review*, 21(4):481–527, October 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Herron:1987:OSE**
- [Her87] Isom H. Herron. The Orr-Sommerfeld equation on infinite intervals. *SIAM Review*, 29(4):597–620, December 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hersch:1988:IMS**
- [Her88] Joseph Hersch. Isoperimetric monotonicity: some properties and conjectures (connections between isoperimetric inequalities). *SIAM Review*, 30(4):551–577, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hermes:1991:NHO**
- [Her91] Henry Hermes. Nilpotent and high-order approximations of vector field systems. *SIAM Review*, 33(2):238–264, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hersh:1992:MND**
- [Her92] Reuben Hersh. In memoriam: Nicholas D. Kazarinoff. *SIAM Review*, 34(1):127, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hersh:1993:EMV**
- [Her93] Reuben Hersh. Ethnomathematics: A multicultural view of mathematical ideas (Marcia Ascher). *SIAM Review*, 35(1):151–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Hermann:1997:BRI**
- [Her97] Robert Hermann. Book review: Introduction to Mechanics and Symmetry, by Jerrold E. Marsden and Tudor S. Ratiu. *SIAM Review*, 39(1):152, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hethcote:2000:MID**
- [Het00] Herbert W. Hethcote. The mathematics of infectious diseases. *SIAM Review*, 42(4):599–653, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37190>.
- Heyman:1993:SMQ**
- [Hey93] Daniel P. Heyman. Stochastic models in queueing theory (J. Medhi). *SIAM Review*, 35(2):320–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Heywood:1997:BRH**
- [Hey97] Phillip Heywood. Book review: *The Hilbert Transform of Schwartz Distributions and Applications*, by J. N. Pandey. *SIAM Review*, 39(2):346–347, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Harris:2001:MEA**
- [HFS01] William A. Harris, Jr., Jay P. Fillmore, and Donald R. Smith. Matrix exponentials — another approach. *SIAM Review*, 43(4):694–706, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36240>.
- Huberty:1996:ADA**
- [HG96] Carl J. Huberty and Arjun K. Gupta. Applied discriminant analysis. *SIAM Review*, 38(1):167–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Halbeisen:2000:PBT**
- [HH00] Lorenz Halbeisen and Norbert Hungerbühler. On periodic billiard trajectories in obtuse triangles. *SIAM Review*, 42(4):657–670, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35572>.
- Head:1993:ETD**
- [HHOT93] A. K. Head, S. D. Howison, J. R. Ockendon, and S. P. Tighe. An equilibrium theory of dislocation continua. *SIAM Review*, 35(4):580–609, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Halanay:1996:TDL**
- [HIC96] Aristide Halanay, Vlad Ionescu, and T. Constantinescu. Time-varying discrete linear systems. *SIAM Review*, 38(4):684–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Higdon:1986:IBV**
- [Hig86] Robert L. Higdon. Initial-boundary value problems for linear hyperbolic systems. *SIAM Review*, 28(2):177–217, June 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Higham:1987:SCN**
- [Hig87] Nicholas J. Higham. A survey of condition number estimation for triangular matrices. *SIAM Review*, 29(4):575–596, December 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Higham:1992:OSI**
- [Hig92] Desmond J. Higham. Order stars (A. Iserles and S. P. Norsett). *SIAM Review*, 34(4):666–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Higham:2001:AIN**
- [Hig01] Desmond J. Higham. An algorithmic introduction to numerical simulation of stochastic differential equations. *SIAM Review*, 43(3):525–546, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37830>.
- Higham:2002:NWI**
- [Hig02] Desmond J. Higham. Nine ways to implement the binomial method for option valuation in MATLAB. *SIAM Review*, 44(4):661–677, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/39326>.
- Higham:2003:OMP**
- [Hig03] Nicholas J. Higham. J -orthogonal matrices: Properties and generation. *SIAM Review*, 45(3):504–519, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/41493>.
- Hinich:1991:SSA**
- [Hin91] Melvin J. Hinich. Statistical spectral analysis: A nonprobabilistic theory (William A. Gardner). *SIAM Review*, 33(4):677–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hinton:1994:HDE**
- [Hin94] Don Hinton. Handbook of differential equations, second edition (Daniel Zwillinger). *SIAM Review*, 36(1):126–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hall:2000:PMD**
- [HJ00] Rachel W. Hall and Kresimir Josic. Planetary motion and the duality of force laws. *SIAM Review*, 42(1):115–124, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200

- (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/34600>.
- Hajmirzaahmad:1992:SSO**
- [HK92] Mojdeh Hajmirzaahmad and Allan M. Krall. Singular second-order operators: The maximal and minimal operators, and self-adjoint operators in between. *SIAM Review*, 34(4):614–634, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hettich:1993:SIP**
- [HK93] R. Hettich and K. O. Kortanek. Semi-infinite programming: Theory, methods, and applications. *SIAM Review*, 35(3):380–429, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Heck:1995:IM**
- [HK95] Andre Heck and Wolfram Koepf. Introduction to maple. *SIAM Review*, 37(1):132–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hoschek:1995:CAG**
- [HLB95] Josef Hoschek, Dieter Lasser, and Len Bos. Computer aided geometric design. *SIAM Review*, 37(3):460–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hartline:2003:CCM**
- [HLH03] Jeffrey R. Hartline and Ran Libeskind-Hadas. The computa-
- tional complexity of motion planning. *SIAM Review*, 45(3):543–557, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/39517>.
- Harten:1983:UDG**
- [HLvL83] Amiram Harten, Peter D. Lax, and Bram van Leer. On upstream differencing and Godunov-type schemes for hyperbolic conservation laws. *SIAM Review*, 25(1):35–61, January 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Highfill:2001:AOC**
- [HM01] Jannett Highfill and Michael McAsey. An application of optimal control to the economics of recycling. *SIAM Review*, 43(4):679–693, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/36269>.
- Hubert:2000:TPM**
- [HMH00] Lawrence Hubert, Jacqueline Meulman, and Willem Heiser. Two purposes for matrix factorization: A historical appraisal. *SIAM Review*, 42(1):68–82, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/34048>.

- Helmke:1996:ODS**
- [HMK96] Uwe Helmke, John B. Moore, and Yuji Kodama. Optimization and dynamical systems. *SIAM Review*, 38(3):531–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Howison:1997:CCT**
- [HMO97] S. D. Howison, J. D. Morgan, and J. R. Ockendon. A class of codimension-two free boundary problems. *SIAM Review*, 39(2):221–253, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28062>.
- Heath:1991:PAS**
- [HNP91] Michael T. Heath, Esmond Ng, and Barry W. Peyton. Parallel algorithms for sparse linear systems. *SIAM Review*, 33(3):420–460, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Holmes:1996:IPM**
- [HO96] M. H. Holmes and Robert E. O’Malley, Jr. Introduction to perturbation methods. *SIAM Review*, 38(3):538–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hochstadt:1992:IEP**
- [Hoc92] Harry Hochstadt. Integral equations, A practical treatment,
- Hockett:1994:QTD**
- [Hoc94] K. Hockett. Qualitative theory of dynamical systems (L. Dingjun and T. Libang). *SIAM Review*, 36(4):671–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Holmes:1979:MFS**
- [Hol79] Richard B. Holmes. Mathematical foundations of signal processing. *SIAM Review*, 21(3):361–388, July 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Holland:1981:SDA**
- [Hol81] A. S. B. Holland. A survey of degree of approximation of continuous functions. *SIAM Review*, 23(3):344–379, July 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Holz:1990:CHI**
- [Hol90] K.-Peter Holz. Computational hydraulics: An introduction (Cornelis B Vreugdenhil). *SIAM Review*, 32(4):697–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Hoppensteadt:1992:SPM**
- [Hop92] F. C. Hoppensteadt. Signal processing by model neural networks. *SIAM Review*, 34(3):426–444, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Horn:1993:FCO**
- [Hor93] Paul S. Horn. A first course in order statistics (Barry C. Arnold, N Balakrishnan and H. N. Nagaraja). *SIAM Review*, 35(3):525–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Horgan:1995:APS**
- [Hor95a] C. O. Horgan. Anti-plane shear deformations in linear and non-linear solid mechanics. *SIAM Review*, 37(1):53–81, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/26520.htm>.
- Horgan:1995:KIT**
- [Hor95b] C. O. Horgan. Korn’s inequalities and their applications in continuum mechanics. *SIAM Review*, 37(4):491–511, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Horgan:1997:BRQ**
- [Hor97] Cornelius O. Horgan. Book review: *Qualitative Estimates for Partial Differential Equations: An Introduction*, by James N. Flavin and Salvatore Rionero.
- Hou:1998:CNS**
- [Hou98] Shui-Hung Hou. Classroom note: A simple proof of the leverrier-faddeev characteristic polynomial algorithm. *SIAM Review*, 40(3):706–709, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32076>.
- Howison:1994:RED**
- [How94] R. C. Howison. Russian-English, English-Russian Dictionary on Probability, Statistics, and Combinatorics (K. A. Borovkov). *SIAM Review*, 36(4):672–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hartsfield:1996:PGT**
- [HRB96] Nora Hartsfield, Gerhard Ringel, and Lowell W. Beineke. Pearls in graph theory: A comprehensive introduction. *SIAM Review*, 38(1):159–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hoyland:1996:SRT**
- [HRM96] Arnljot Hoyland, Marvin Rausand, and William Q. Meeker. System reliability theory: Models and statistics methods. *SIAM Review*, 38(1):175–??, March 1996. CODEN SIREAD. ISSN

- 0036-1445 (print), 1095-7200 (electronic).
- Henderson:1981:DIS**
- [HS81] H. V. Henderson and S. R. Searle. On deriving the inverse of a sum of matrices. *SIAM Review*, 23(1):53–60, January 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Holmgren:1995:FCD**
- [HS95] R. A. Holmgren and James T. Sandefur. A first course in discrete dynamical systems. *SIAM Review*, 37(1):137–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Heijmans:1996:MIO**
- [HS96] Henk J. A. M. Heijmans and Jean Serra. Morphological image operators. *SIAM Review*, 38(1):178–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hoffman:2003:SMS**
- [HS03] Kathleen Hoffman and Fadil Santosa. A simple model of sheet metal assembly. *SIAM Review*, 45(3):558–573, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38230>.
- Howle:1998:LTK**
- [HSSZ98] Laurens Howle, David G. Schaeffer, Michael Shearer, and Pei Zhong. Lithotripsy: The treatment of kidney stones with shock waves. *SIAM Review*, 40(2):356–371, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32263>.
- Hartl:1995:SMP**
- [HSV95] Richard F. Hartl, Suresh P. Sethi, and Raymond G. Vickson. A survey of the maximum principles for optimal control problems with state constraints. *SIAM Review*, 37(2):181–218, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/23508.htm>.
- Hubner:1991:AMC**
- [Hub91] Gerhard Hubner. Adaptive Markov control processes (D. Hernandez-Lerma). *SIAM Review*, 33(4):686–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Huestis:1991:SCO**
- [Hue91] Stephen P. Huestis. Some comments on the optimization problem for shear stress magnitude. *SIAM Review*, 33(1):106–108, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Huestis:1992:IFO**
- [Hue92a] Stephen P. Huestis. Interpolation formulas for oversampled band-limited functions. *SIAM*

- [Hue92b] Stephen P. Huestis. Smallest nonnegative solutions to linear inverse problems. *SIAM Review*, 34(4):642–647, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Huestis:1992:SNS**
- [Hue96] Stephen P. Huestis. The use of linear programming in the construction of extremal solutions to linear inverse problems. *SIAM Review*, 38(3):496–506, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28895>.
- Huestis:1996:ULP**
- [Hug93] John F. Hughes. Oriented projective geometry: A framework for geometric computations (Jorge Stolfi). *SIAM Review*, 35(2):321–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hughes:1993:OPG**
- [Hul67] T. E. Hull. A search for optimum methods for the numerical integration of ordinary differential equations. *SIAM Review*, 9(4):647–654, October 1967. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hull:1967:SOM**
- [IL97] [IM89]
- [Hur93] Mike Hurley. The global dynamics of cellular automata (Andrew Wuensche and Mike Lesser). *SIAM Review*, 35(4):669–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hurley:1993:GDC**
- [Hut91] K. Hutter. Electrodynamics of continua (A. Cemal Eringen and Gerard A. Maugin). *SIAM Review*, 33(2):315–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Hutter:1991:ECC**
- [Heil:1989:CDW] Christopher E. Heil and David F. Walnut. Continuous and discrete wavelet transforms. *SIAM Review*, 31(4):628–666, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Heil:1989:CDW**
- [Iserlas:1997:FCN] Arish Iserlas and Raytcho Lazarov. A first course in the numerical analysis of differential equations. *SIAM Review*, 39(3):541–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Iserlas:1997:FCN**
- [Ikonic:1989:ESD] Z. Ikonic and V. Milanovic. Exact solutions of a differential equation. *SIAM Review*, 31(2):324–325, June 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ikonic:1989:ESD**

- Ipsen:1997:CEI**
- [Ips97] Ilse C. F. Ipsen. Computing an eigenvector with inverse iteration. *SIAM Review*, 39(2):254–291, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30077>.
- Izhikevich:2001:SEB**
- [Izh01] Eugene M. Izhikevich. Synchronization of elliptic bursters. *SIAM Review*, 43(2):315–344, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38206>.
- Jackson:1997:BRP**
- [Jac97] Ken Jackson. Book review: *Parallel and Sequential Methods for Ordinary Differential Equations*, by Kevin Burrage. *SIAM Review*, 39(2):349–350, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jaffe:1984:OUR**
- [Jaf84] Arthur Jaffe. Ordering the universe: the role of mathematics. *SIAM Review*, 26(4):473–500, October 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Coffman:2002:PPT**
- [JCG⁺02] E. G. Coffman Jr., C. Courcoubetis, M. R. Garey, D. S. Johnson, P. W. Shor, R. R. Weber, and M. Yannakakis.
- Jd93]**
- Jef90]**
- Jef92]**
- Jef94]**
- Perfect packing theorems and the average-case behavior of optimal and online bin packing. *SIAM Review*, 44(1):95–108, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/39542>.**
- Joag-dev:1993:FEP**
- Kumar Joag-dev. Functional equations in probability theory (B. Ramachandran and Ka-Sing Lau). *SIAM Review*, 35(2):325–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jeffries:1990:CRN**
- Clark Jeffries. Code recognition with neural network dynamical systems. *SIAM Review*, 32(4):636–651, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jeffries:1992:NCL**
- Clark Jeffries. A new conservation law for classical electrodynamics. *SIAM Review*, 34(3):386–405, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jeffries:1994:PVC**
- Clark Jeffries. Poynting’s vector: Comments on a recent paper by Clark Jeffries: Response to a commentary by F. N. H. Robinson. *SIAM Review*, 36(4):638–641, December 1994. CODEN SIREAD. ISSN 0036-1445

- (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25583.htm>.
- Jerome:1991:EII**
- [Jer91] Joseph W. Jerome. Electro-diffusion of ions (Isaak Rubinstein). *SIAM Review*, 33(4):682–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jerome:1995:APD**
- [Jer95] Joseph W. Jerome. The approximation problem for drift-diffusion systems. *SIAM Review*, 37(4):552–572, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25888.htm>.
- Jetter:1991:ASF**
- [Jet91] Kurt Jetter. Approximation by spline functions (Gunther Nurnberger). *SIAM Review*, 33(3):501–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jurdevic:1998:GCT**
- [JH98] Velimir Jurdevic and Robert Hermann. Geometric control theory. *SIAM Review*, 40(1):154–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jin:1991:VPP**
- [Jin91] Fei-Fei Jin. Vacillation and predictability properties of low-order atmospheric spectral models (H. E. deSwart). *SIAM Review*, 33(2):320–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jurek:1995:ODP**
- [JMH95] Z. J. Jurek, J. D. Mason, and W. N. Hudson. Operator-limit distributions in probability theory. *SIAM Review*, 37(1):131–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Janssen:1995:NRT**
- [JMJ95] A. Janssen, D. M. Mason, and Jana Jureckova. Non-standard rank tests. *SIAM Review*, 37(2):261–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Joppich:1996:MMP**
- [JMX96] W. Joppich, S. Mijalkovic, and Jinchao Xu. Multigrid methods for process simulation. *SIAM Review*, 38(3):543–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Johnson:1991:NSO**
- [Joh91] John L. Johnson. Numerical simulation and optimal control in plasma physics: With applications to tokamaks (Jacques Blum). *SIAM Review*, 33(1):147–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Jones:1992:GSM**
- [Jon92a] Alan K. Jones. Geometric and solid modeling: An introduction (Christoph M Hoffmann). *SIAM Review*, 34(2):327–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jones:1992:SLP**
- [Jon92b] D. S. Jones. The scientific letters and papers of James Clerk Maxwell volume 1: 1846–1862 (P. M. Harman, ed.). *SIAM Review*, 34(3):511–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jordan:1980:CPL**
- [Jor80] W. B. Jordan. A conjectured property of Legendre functions. *SIAM Review*, 22(3):369–372, July 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [JS93]
- Jaffray:1989:DPK**
- [JP89] J. Y. Jaffray and J. Ch. Pomerol. A direct proof of the Kuhn-Tucker necessary optimality theorem for convex and affine inequalities. *SIAM Review*, 31(4):671–674, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [JS94]
- Jensen:1996:SA**
- [JR96] Jens Ledet Jensen and N. Reid. Saddlepoint approximations. *SIAM Review*, 38(4):696–??, December 1996. CODEN SIREAD.
- [JSF95]
- ISSN 0036-1445 (print), 1095-7200 (electronic).
- Johnson:1997:CSI**
- [JRZ97] M. P. Johnson, C. Rennick, and E. Zak. Case studies from industry: Skiving addition to the cutting stock problem in the paper industry. *SIAM Review*, 39(3):472–483, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31004>.
- Jacquez:1993:QTC**
- [Jac93] John A. Jacquez and Carl P. Simon. Qualitative theory of compartmental systems. *SIAM Review*, 35(1):43–79, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Jawerth:1994:OWB**
- [Jaw94] Björn Jawerth and Wim Sweldens. An overview of wavelet based multiresolution analyses. *SIAM Review*, 36(3):377–412, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/24402.htm>.
- Janacek:1995:TSF**
- [Jan95] Gareth Janacek, Louise Swift, and David F. Findley. Time series: Forecasting, simulation, applications. *SIAM Review*, 37(2):253–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Prea:1997:SSU**
- [JV97] Jean-Marie Bienfait, Pascal Préa and Yann Vaxes. Solutions: Sequences with unique sums and differences (problem 96-3) (Kim Chuen Ng). *SIAM Review*, 39(1):138–140, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kim:1989:EAA**
- [KA89] Young J. Kim and Joan L. Aron. On the equality of average age and average expectation of remaining life in a stationary population. *SIAM Review*, 31(1):110–113, March 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kuijper:1995:FRL**
- [KA95] Margreet Kuijper and J. D. Aplevich. First-order representations of linear systems. *SIAM Review*, 37(4):621–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kabamba:1993:NNA**
- [Kab93] Pierre T. Kabamba. A note on navigation accuracy. *SIAM Review*, 35(3):481–487, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kallenberg:1993:LCM**
- [Kal93] Olav Kallenberg. Lectures on the coupling method (Torgny Lindvall). *SIAM Review*, 35(3):525–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kanwal:1988:DGS**
- R. P. Kanwal. A differential geometric solution of a problem in electrostatics. *SIAM Review*, 30(2):301, June 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kapila:1990:DCF**
- A. K. Kapila. Dynamics of curved fronts (Pierre Pelce). *SIAM Review*, 32(3):507–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kapila:1990:MIP**
- A. K. Kapila. Mathematics in industrial problems and mathematics in industrial problems, part 2 (Avner Friedman). *SIAM Review*, 32(3):506–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Karni:1990:NPU**
- Edi Karni. Nonlinear preference and utility theory (Peter C. Fishburn). *SIAM Review*, 32(1):176–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Karp:1996:BRU**
- Alan H. Karp. Bit reversal on uniprocessors. *SIAM Review*, 38(1):1–26, March 1996. CODEN SIREAD. ISSN 0036-1445

- (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25698.htm>.
- Karger:2001:RFP**
- [Kar01] David R. Karger. A randomized fully polynomial time approximation scheme for the all-terminal network reliability problem. *SIAM Review*, 43(3):499–522, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38714>.
- Kazarinoff:1990:EDD**
- [Kaz90] Nicholas D. Kazarinoff. Elements of differentiable dynamics and bifurcation theory (David Ruelle). *SIAM Review*, 32(4):698–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kazarinoff:1991:HBN**
- [Kaz91a] Nicholas D. Kazarinoff. Huygens and Barrow, Newton and Hooke: Pioneers in mathematical analysis and catastrophe theory from evolvents to quasicrystals (V. I. Arnol'd; trans. by Eric J. F. Primrose). *SIAM Review*, 33(3):493–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kazarinoff:1991:JLM**
- [Kaz91b] Nicholas D. Kazarinoff. Joseph Liouville 1809–1882: Master of pure and applied mathematics (Jesper Lützen). *SIAM Review*, 33(2):321–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Kaz92] Nicholas D. Kazarinoff. IBM's 360 and early 370 systems (Emerson W. Pugh, Lyle R. Johnson, and John H. Palmer). *SIAM Review*, 34(1):158–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kazarinoff:1992:IES**
- [KCD⁺97] G. J. Komen, L. Cavalieri, M. Donelan, K. Hasselmann, S. Hasselmann, P. E. A. M. Janssen, and Sen-Huei Chen. Dynamics and modelling of ocean waves. *SIAM Review*, 39(4):790–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Komen:1997:DMO**
- [Kea93] J. P. Keating. Quantum signatures of chaos (Fritz Haake). *SIAM Review*, 35(3):527–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Keating:1993:QSC**
- [Kee90] James Keesling. Natural resource economics: Notes and problems (Jon M. Conrad and Colin W. Clark). *SIAM Review*, 32(2):323–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Keesling:1990:NRE**

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Keener:1993:PFT</div> <p>[Kee93] James P. Keener. The Perron-Frobenius theorem and the ranking of football teams. <i>SIAM Review</i>, 35(1):80–93, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Keinert:1989:IPT</div> <p>[Kei89] Fritz Keinert. Inversion of k-plane transforms and applications in computer tomography. <i>SIAM Review</i>, 31(2):273–298, June 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Keller:1979:PPT</div> <p>[Kel79a] Joseph B. Keller. Progress and prospects in the theory of linear wave propagation. <i>SIAM Review</i>, 21(2):229–245, April 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kelman:1979:LSF</div> <p>[Kel79b] Robert B. Kelman. Least squares Fourier series solutions to boundary value problems. <i>SIAM Review</i>, 21(3):329–338, July 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Keller:1980:SBC</div> <p>[Kel80] Joseph B. Keller. Some bubble and contact problems. <i>SIAM Review</i>, 22(4):442–458, October 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Keller:1982:TDQ</div> <p>[Kel82] Joseph B. Keller. Time-dependent queues. <i>SIAM Review</i>, 24(4):401–412, October 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Keller:1985:SM</div> <p>[Kel85] Joseph B. Keller. Semiclassical mechanics. <i>SIAM Review</i>, 27(4):485–504, December 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kelly:1988:DNM</div> <p>[Kel88a] S. Graham Kelly. Development of normal mode theory for multi-degree-of-freedom systems using an energy inner product. <i>SIAM Review</i>, 30(2):302–304, June 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kelly:1988:NFM</div> <p>[Kel88b] S. Graham Kelly. Natural frequency and mode shape perturbations for linear multidegree of freedom systems. <i>SIAM Review</i>, 30(4):634–638, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kelly:1990:NPC</div> <p>[Kel90a] S. Graham Kelly. Nonlinear phenomena in a column of liquid in a rotating manometer. <i>SIAM Review</i>, 32(4):652–659, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> |
|---|--|

- Kelman:1990:TDC**
- [Kel90b] Robert B. Kelman. Theory of discrete and continuous Fourier analysis (H. Joseph Weaver). *SIAM Review*, 32(3): 507–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kelton:1990:PRV**
- [Kel90c] W. David Kelton. Principles of random variate generation (John Dagpunar). *SIAM Review*, 32(3): 508–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kelman:1992:ADF**
- [Kel92] Robert B. Kelman. Algorithms for discrete Fourier transform and convolution (Richard Tolimieri, Myoung An, and Chao Lu). *SIAM Review*, 34(4):668–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Keller:1995:HMS**
- [Kel95] Joseph B. Keller. How many shuffles to mix a deck? *SIAM Review*, 37(1):88–89, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/26629.htm>.
- Kellogg:1997:BRb**
- [Kel97a] R. B. Kellogg. Book reviews. *SIAM Review*, 39(2): 333–374, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kellogg:1997:BRc**
- [Kel97b] R. B. Kellogg. Book reviews. *SIAM Review*, 39(3): 528–569, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97003>.
- Kellogg:1997:BRd**
- [Kel97c] R. B. Kellogg. Book reviews. *SIAM Review*, 39(4): 790–809, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97005>.
- Kellogg:1998:BRc**
- [Kel98] R. B. Kellogg. Book reviews. *SIAM Review*, 40(3): 732–760, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97007>.
- Kellogg:1999:BRa**
- [Kel99a] R. Bruce Kellogg. Book reviews. *SIAM Review*, 41(1): 165–195, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97023>.
- Kellogg:1999:BRb**
- [Kel99b] R. Bruce Kellogg. Book reviews. *SIAM Review*, 41(2):373, June 1999. CODEN SIREAD.

- [Ken91] ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97028>. **Kellogg:1999:BRc**
- [Kel99c] R. Bruce Kellogg. Book reviews. *SIAM Review*, 41(3):605–633, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97033>. **Kellogg:1999:BRI**
- [Kel99d] R. Bruce Kellogg. Book reviews introduction. *SIAM Review*, 41(4):807, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97039>. **Kellogg:2000:BR**
- [Kel00] R. Bruce Kellogg. Book reviews. *SIAM Review*, 42(1):125–157, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97045>. **Kemperman:1992:RWR**
- [Kem92] J. H. B. Kemperman. Random walk in random and non-random environments (Pal Revesz). *SIAM Review*, 34(2):335–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Ken93] N. C. Kenkel. Mathematical modeling in ecology: A workbook for students (Clark Jeffries). *SIAM Review*, 33(1):150–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Kenkel:1991:MME**
- [Ker91] N. C. Kenkel. Mathematical ecology of plant species competition: A class of deterministic models for binary mixtures of plant genotypes (Anthony G. Pakes and R. A. Maller). *SIAM Review*, 35(2):323–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Kern:1991:SAB**
- [Ker92] W. Kern. Simulated annealing and Boltzmann machines: A stochastic approach to combinatorial optimization and neural computing (Emile Aarts and Jan Korst). *SIAM Review*, 33(2):323–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Kershaw:1992:MAN**
- [Ker93] D. Kershaw. Mathematical analysis and numerical methods for science and technology. vol. 4. integral equations and numerical methods for science and technology (Robert Dautray and Jacques-Louis Lions; John C. Amson, trans.). *SIAM Review*, 34(1):132–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Kevorkian:1987:PTO</div> <p>[Kev87] J. Kevorkian. Perturbation techniques for oscillatory systems with slowly varying coefficients. <i>SIAM Review</i>, 29(3):391–461, September 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Key:1994:IPS</div> <p>[Key94] Eric S. Key. An introduction to probability and stochastic processes (M.A Berger). <i>SIAM Review</i>, 36(1):128–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kaiser:1995:FGW</div> <p>[KF95] Gerald Kaiser and Michael Frazier. A friendly guide to wavelets. <i>SIAM Review</i>, 37(4):624–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Konopelchenko:1995:IMI</div> <p>[KG95] B. G. Konopelchenko and J. D. Gibbon. Introduction to multidimensional integrable equations. <i>SIAM Review</i>, 37(2):257–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kirsch:1997:IMT</div> <p>[KG97] Andreas Kirsch and Charles Groetsch. An introduction to the mathematical theory of inverse problems. <i>SIAM Review</i>, 39(4):794–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Krotov:1998:GMO</div> <p>[KG98] Vadim F. Krotov and Mostafa Ghandehari. Global methods in optimal control theory. <i>SIAM Review</i>, 40(1):152–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kearfott:1998:RGS</div> <p>[KH98] R. Baker Kearfott and Eldon Hansen. Rigorous global search: Continuous problems. <i>SIAM Review</i>, 40(1):153–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Katok:1996:IMT</div> <p>[KHS96] Anatole Katok, Boris Hasselblatt, and Richard Swanson. Introduction to the modern theory of dynamical systems. <i>SIAM Review</i>, 38(1):180–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kieffer:1994:EIT</div> <p>[Kie94] J. Kieffer. Elements of information theory (Thomas M. Cover and Joy A Thomas). <i>SIAM Review</i>, 36(3):509–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kijima:1993:NCR</div> <p>[Kij93] Masaaki Kijima. Numerical calculation of ruin probabilities for skip-free Markov chains. <i>SIAM</i></p> |
|---|---|

- Review*, 35(4):621–624, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kimme:1965:DPS**
- [Kim65] E. G. Kimme. Distributions of phases of sinusoidal components of ergodic trigonometric series. *SIAM Review*, 7(1):88–99, ????. 1965. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kingston:1988:OWW**
- [Kin88] J. G. Kingston. One-way waves. *SIAM Review*, 30(4):645–649, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kincaid:1994:NCU**
- [Kin94a] D. R. Kincaid. Numerical computation using C (Robert Glassey). *SIAM Review*, 36(4):672–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- King:1994:MMJ**
- [Kin94b] J. T. King. Multigrid methods (James H. Bramble). *SIAM Review*, 36(3):512–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kincaid:1997:BRA**
- [Kin97] David R. Kincaid. Book review: *Afternotes on Numerical Analysis*, by G. W. Stewart. *SIAM Review*, 39(1):153, March 1997.
- [Kir75] Klaus Kirchgaessner. Bifurcation in nonlinear hydrodynamic stability. *SIAM Review*, 17(?):652–683, ????. 1975. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kirchgaessner:1975:BNH**
- [Kir90] T. R. Kirkpatrick. Classical equilibrium statistical mechanics (Colin J Thompson). *SIAM Review*, 32(3):511–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kirkpatrick:1990:CES**
- [Kir93] Klaus Kirchgassner. Instabilities and fronts in extended systems (Pierre Collet and Jean-Pierre Eckmann). *SIAM Review*, 35(1):154–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kirchgassner:1993:IFE**
- [KK98] Terrence K. Kelly and Michael Kupferschmid. Numerical verification of second-order sufficiency conditions for nonlinear programming. *SIAM Review*, 40(2):310–314, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/30205>.
- Kelly:1998:NVS**

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Karypis:1999:PMS</div> <p>[KK99] George Karypis and Vipin Kumar. Parallel multilevel series k-way partitioning scheme for irregular graphs. <i>SIAM Review</i>, 41(2):278–300, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/33413.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kracht:1982:IOF</div> <p>[KKS82] M. Kracht, E. Kreyszig, and G. Schröder. Integral operators in the function theoretic method for partial differential equations. <i>SIAM Review</i>, 24(1):52–71, January 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Krasovskii:1995:CUL</div> <p>[KKY95] A. N. Krasovskii, N. N. Krasovskii, and Jiongmin Yong. Control under lack of information. <i>SIAM Review</i>, 37(4):640–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Karro:1997:CNU</div> <p>[KL97] John Karro and Chi-Kwong Li. Classroom note: A unified elementary approach to canonical forms of matrices. <i>SIAM Review</i>, 39(2):305–309, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/29486.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Klamkin:1990:PJB</div> <p>[Kla90] M. S. Klamkin. Polynomials (E. J. Barbeau). <i>SIAM Review</i>, 32(4):699–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Klamkin:1992:UPI</div> <p>[Kla92] Murray S. Klamkin. Unsolved problems in intuitive mathematics, vol. II, unsolved problems in geometry (H. T. Croft, K. J. Falconer, and R. K. Guy). <i>SIAM Review</i>, 34(2):335–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Kocic:1995:GBN</div> <p>[KLA95] V. L. Kocic, G. Ladas, and Ravi P. Agarwal. Global behavior of nonlinear difference equations. <i>SIAM Review</i>, 37(1):114–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Klamkin:1997:BRH</div> <p>[Kla97] Murray S. Klamkin. Book review: <i>Handbook of Exact Solutions for Ordinary Differential Equations</i> by A. D. Polyanin and V. F. Zaitsev. <i>SIAM Review</i>, 39(2):350, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Klein:1983:CSD</div> <p>[Kle83] Morton Klein. Complementary slackness and dynamic programming. <i>SIAM Review</i>, 25</p> |
|---|---|

- (2):249–253, April 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kleine:1984:NAS** [KM86]
- [Kle84] H. Arthur De Kleine. A note on the asymptotic stability of periodic solutions of autonomous differential equations. *SIAM Review*, 26(3):417–421, July 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Klosek:1993:MPI** [KM96]
- [Klo93] Małgorzta M. Klosek. Markov processes: An introduction for physical scientists (Daniel T. Gillespie). *SIAM Review*, 35(2):324–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kolda:2003:ODS** [KMC96]
- [KLT03] Tamara G. Kolda, Robert Michael Lewis, and Virginia Torczon. Optimization by direct search: New perspectives on some classical and modern methods. *SIAM Review*, 45(3):385–482, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/42889>.
- King:1985:AFD**
- [KM85] A. C. King and M. E. Mortimer. Approximating factorials: a difference equation approach. *SIAM Review*, 27(4):565–567, December 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kulisch:1986:ADC**
- U. W. Kulisch and W. L. Miranker. The arithmetic of the digital computer: a new approach. *SIAM Review*, 28(1):1–40, March 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Krasnoselskii:1996:ANO**
- Alexander M. Krasnosel'skii and Jean Mawhin. Asymptotics of nonlinearities and operator equations. *SIAM Review*, 38(3):533–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kersch:1996:TSM**
- Alfred Kersch, William J. Morokoff, and Carlo Cercignani. Transport simulation in microelectronics. *SIAM Review*, 38(2):337–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Keeler:1998:CGC**
- Stephen P. Keeler and Yves Nievergelt. Computing geodetic coordinates. *SIAM Review*, 40(2):300–309, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32392>.
- Knight:1994:SAB**
- F. Knight. Some aspects of Brownian motion, part 1 (Marc
- [KN98]
- [Kni94]

- Vor). *SIAM Review*, 36(3):511–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Knoerr:1998:DPM**
- [Kno98] Alan P. Knoerr. A dynamical proof of the method of lagrange. *SIAM Review*, 40(4):941–944, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32833>.
- Kocak:1992:NMS**
- [Koc92] Huseyin Kocak. Natural minimal surfaces: Via theory and computation (with David Hoffman). *SIAM Review*, 34(4):691–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kocak:1994:DEL**
- [Koc94] Huseyin Kocak. Differential equations laboratory workbook: A collection of experiments, explorations and modeling projects for the computer (Robert L. Borrelli, Courtney Coleman, and William E. Boyce). *SIAM Review*, 36(1):129–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kohaupt:1998:BEP**
- [Koh98a] L. Kohaupt. Basis of eigenvectors and principal vectors associated with Gauss-Seidel matrix of $A = \text{tridiag}[-12 -$
- 1]. *SIAM Review*, 40(4):959–964, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33138>.
- Kohaupt:1998:CCF**
- L. Kohaupt. Calculation of camform errors. *SIAM Review*, 40(2):292–299, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32251>.
- Kokotovic:1984:ASP**
- Petar V. Kokotovic. Applications of singular perturbation techniques to control problems. *SIAM Review*, 26(4):501–550, October 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kondic:2003:IGD**
- L. Kondic. Instabilities in gravity driven flow of thin fluid films. *SIAM Review*, 45(1):95–115, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/40135>.
- Kosko:1979:TDP**
- [Kos79] Eryk Kosko. Three-dimensional pipe joining. *SIAM Review*, 21(4):542–549, October 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Kotz:1965:SIC**
- [Kot65] Samuel Kotz. Some inequalities for convex functions useful in information theory. *SIAM Review*, 7(??):395–402, ???? 1965. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kaas-Petersen:1987:CML**
- [KP87] Chr. Kaas-Petersen. Continuation methods as the link between perturbation analysis and asymptotic analysis. *SIAM Review*, 29(1):115–135, March 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kloeden:1995:NSS**
- [KPGR95] Peter E. Kloeden, Eckhard Platen, Matthias Gelbrich, and Werner Romisch. Numerical solution of stochastic differential equations. *SIAM Review*, 37(2):272–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kloeden:1996:NSS**
- [KPSP96] P. E. Kloeden, E. Platen, H. Schurz, and Philip Protter. Numerical solution of SDE through computer experiments. *SIAM Review*, 38(1):177–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kamenjarzh:1998:LAS**
- [KR98] Jacob A. Kamenjarzh and B. Daya Reddy. Limit analysis of solids and structures. *SIAM Review*, 40(1):173–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Krall:1980:CSP**
- [Kra80] Allan M. Krall. Chebyshev sets of polynomials which satisfy an ordinary differential equation. *SIAM Review*, 22(4):436–441, October 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kreith:1991:EHG**
- [Kre91] Kurt Kreith. Establishing hyperbolic Green’s functions via Leibniz’s rule. *SIAM Review*, 33(1):101–105, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Krishnamoorthy:1991:SMP**
- [Kri91] Mukkai S. Krishnamoorthy. The stable marriage problem: Structure and algorithms (Dan Gusfield and Robert W. Irving). *SIAM Review*, 33(2):323–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Krishnarao:1997:PIV**
- [Kri97] P. Krishnarao. Problems: An integral for valuation of spread options (problem 97-2). *SIAM Review*, 39(1):123, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Kruskal:1983:OSC**
- [Kru83] Joseph B. Kruskal. An overview of sequence comparison: time warps, string edits, and macromolecules. *SIAM Review*, 25(2):201–237, April 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kuttler:1984:ELT**
- [KS84] J. R. Kuttler and V. G. Sigillito. Eigenvalues of the Laplacian in two dimensions. *SIAM Review*, 26(2):163–193, April 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kirchgraber:1990:CBS**
- [KS90] U. Kirchgraber and D. Stoffer. Chaotic behaviour in simple dynamical systems. *SIAM Review*, 32(3):424–452, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kenney:1994:UMR**
- [KS94] Charles Kenney and Roy Smith. Uncertain models and robust control (A. Weinmann). *SIAM Review*, 36(1):127–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kailath:1995:DST**
- [KS95] Thomas Kailath and Ali H. Sayed. Displacement structure: Theory and applications. *SIAM Review*, 37(3):297–386, September 1995. CODEN SIREAD.
- ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/24648.htm>.
- Knupp:1995:FGG**
- [KSM95] P. Knupp, S. Steinberg, and C. Wayne Mastin. Fundamentals of grid generation. *SIAM Review*, 37(2):264–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Koch:1996:CAP**
- [KSW96] Hans Koch, Alain Schenkel, and Peter Wittwer. Computer-assisted proofs in analysis and programming in logic: A case study. *SIAM Review*, 38(4):565–604, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28418>.
- Keener:1992:DSW**
- [KT92] James P. Keener and John J. Tyson. The dynamics of scroll waves in excitable media. *SIAM Review*, 34(1):1–39, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kung:1993:MDK**
- [Kun93] Joseph P. S. Kung. Matroid decomposition (K. Truemper). *SIAM Review*, 35(3):529–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Kupershmidt:1994:SEH**
- [Kup94] B. A. Kupershmidt. Soliton equations and Hamiltonian systems (L. A. Dickey). *SIAM Review*, 36(1):130–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kushner:1976:SSA**
- [Kus76] Harold J. Kushner. A survey of some applications of probability and stochastic control theory to finite difference methods for degenerate elliptic and parabolic equations. *SIAM Review*, 18 (??):545–577, ???? 1976. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kushner:1993:SSD**
- [Kus93] Harold Kushner. Stability of stochastic differential equations with respect to semi-martingales (X. Mao). *SIAM Review*, 35(4): 670–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kan:1993:PAP**
- [Kv93] A. H. G. Rinnooy Kan and A. van Vliet. Probabilistic analysis of packing and partitioning algorithms (E. G. Coffman, Jr. and George S. Lueker). *SIAM Review*, 35(1):153–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kruk:1999:PP**
- [KW99] Serge Kruk and Henry Wolkowicz. Pseudolinear program-
- Kwapisz:1998:CNP**
- [Kwa98] M. Kwapisz. Classroom note: The power of a matrix. *SIAM Review*, 40(3):703–705, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32074>.
- Kall:1996:SP**
- [KWB96] Peter Kall, Stein W. Wallace, and John R. Birge. Stochastic programming. *SIAM Review*, 38 (4):681–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kwapien:1995:RSS**
- [KWP95] Stanislaw Kwapien, Wojbar A. Woyczynski, and Philip Protter. Random series and stochastic integrals: Single and multiple. *SIAM Review*, 37(1):135–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Kowalik:1993:NLA**
- [KZ93] Janusz S. Kowalik and Karel Zikan. Numerical linear algebra and optimization: Vol. 1 (Philip E. Gill, Walter Murray, and Margaret H. Wright). *SIAM Review*, 35(1):155–??, March 1993. CO-

- DEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Logan:1995:INP**
- [LA95] J. D. Logan and Karen Ames. An introduction to nonlinear partial differential equations. *SIAM Review*, 37(2):251–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lagnese:1997:BRE**
- [Lag97] John E. Lagnese. Book review: *Exact Controllability and Stabilization: The Multiplier Method*, by V. Komornik. *SIAM Review*, 39(2):351–352, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Laha:1994:ISM**
- [Lah94] R. G. Laha. Identifiability in stochastic models (B. L. S. Prakasa Rao). *SIAM Review*, 36(2):304–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Latta:1990:HDE**
- [Lat90] Gordon Latta. Handbook of differential equations (Daniel Zwilliger). *SIAM Review*, 32(3):511–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Laumakis:2003:DKC**
- [Lau03] Paul J. Laumakis. Designing a 401(k): A case study. *SIAM Review*, 45(4):806–813, December 2003. CODEN SIREAD.
- [LC72]
- ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/39299>.
- Lax:1989:FAM**
- Peter D. Lax. The flowering of applied mathematics in america. reprinted from *a century of mathematics, part ii*, 455–466, amer. math. soc., providence, RI, 1989 [see MR 90a:01065]. *SIAM Review*, 31(4):533–541, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lazer:1991:CPT**
- Alan C. Lazer. Critical point theory and Hamiltonian systems (Jean Mawhin and Michel Willem). *SIAM Review*, 33 (2):324–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Luke:2002:OWR**
- D. Russell Luke, James V. Burke, and Richard G. Lyon. Optical wavefront reconstruction: Theory and numerical methods. *SIAM Review*, 44(2):169–224, June 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/39075>.
- Lagerstrom:1972:BCU**
- P. A. Lagerstrom and R. G. Casster. Basic concepts underlying singular perturbation techniques. *SIAM Review*, 14(??):

- 63–120, ???, 1972. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lakshmivarahan:1995:PCU**
- [LDG95] S. Lakshmivarahan, Sudarshan K. Dhall, and E. Gallopoulos. Parallel computing using the prefix problem. *SIAM Review*, 37(4):626–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- LeCam:1992:CSE**
- [Le 92] Lucien Le Cam. Comparison of statistical experiments (Erik Torgersen). *SIAM Review*, 34(4):669–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Leavens:1994:PRU**
- [Lea94] Gary T. Leavens. Programs, recursion and unbounded choice (Wim H. Hesselink). *SIAM Review*, 36(1):131–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lebovitz:1982:PEP**
- [Leb82] N. R. Lebovitz. Perturbation expansions on perturbed domains. *SIAM Review*, 24(4):381–400, October 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lee:1997:CNH**
- [Lee97] Jon Lee. Classroom note: Hoffman's circle untangled. *SIAM Review*, 39(1):98–105, March 1997. CODEN SIREAD.
- ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29299>; <http://www.siam.org/journals/sirev/>; <http://www.siam.org/journals/sirev/sirev391.htm>.
- Lengyel:1993:CIW**
- [Len93a] Tamás Lengyel. A combinatorial identity and the World Series. *SIAM Review*, 35(2):294–297, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lenstra:1993:URA**
- [Len93b] Arjen K. Lenstra. Uses of randomness in algorithms and protocols (Joe Kilian). *SIAM Review*, 35(2):326–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Leonard:1996:ME**
- [Leo96] I. E. Leonard. The matrix exponential. *SIAM Review*, 38(3):507–512, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28648>.
- Levi:1988:SIP**
- [Lev88] Mark Levi. Stability of the inverted pendulum — a topological explanation. *SIAM Review*, 30(4):639–644, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Levine:1990:RCE</div> <p>[Lev90] Howard A. Levine. The role of critical exponents in blowup theorems. <i>SIAM Review</i>, 32(2):262–288, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Leveque:1993:AFE</div> <p>[Lev93] R. J. Leveque. Adaptive finite element solution algorithm for the Euler equations (R. A. Shapiro). <i>SIAM Review</i>, 35(3):531–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Levitin:1997:PTM</div> <p>[Lev97] Evgenij S. Levitin. Perturbation theory in mathematical programming and its applications. <i>SIAM Review</i>, 39(4):799–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">LeVeque:2003:SRA</div> <p>[LeV03a] Randy LeVeque. Survey and review. <i>SIAM Review</i>, 45(1):1, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://epubs.siam.org/sam-bin/dbq/article/97101.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">LeVeque:2003:SRb</div> <p>[LeV03b] Randy LeVeque. Survey and review. <i>SIAM Review</i>, 45(2):165, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://epubs.siam.org/sam-bin/dbq/article/97106.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">LeVeque:2003:SRc</div> <p>[LeV03c] Randy LeVeque. Survey and review. <i>SIAM Review</i>, 45(3):383, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://epubs.siam.org/sam-bin/dbq/article/97111.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">LeVeque:2003:SR</div> <p>[LeV03d] Randy LeVeque. Survey and review. <i>SIAM Review</i>, 45(4):625–626, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://epubs.siam.org/sam-bin/dbq/article/97116.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lewis:1983:ATN</div> <p>[Lew83] Stephen D. Lewis. Adjustment time in the neoclassical growth model: an optimal control solution. <i>SIAM Review</i>, 25(3):395–400, July 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lewis:1991:SCS</div> <p>[Lew91] F. L. Lewis. Singular control systems (L. Dai). <i>SIAM Review</i>, 33(1):151–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Lavine:1995:UI</div> <p>[LG95] Shaughan Lavine and Frederick Gass. Understanding the infinite. <i>SIAM Review</i>, 37(3):464–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> |
|---|--|

- Lorenz:1995:EC**
- [LH95] E. N. Lorenz and Philip Holmes. The essence of chaos. *SIAM Review*, 37(1):129–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Lin90]
- Leon:1997:ACE**
- [LHFE97] Steven Leon, Eugene Herman, Richard Faulkenberry, and Richard Elderkin. ATLAST: Computer exercises for linear algebra. *SIAM Review*, 39(3):530–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Lin91]
- Lieberman:1997:BRL**
- [Lie97] Gary M. Lieberman. Book review: Linear and Quasilinear Parabolic Problems. Volume 1: Abstract Linear Theory, by Herbert Amann. *SIAM Review*, 39(1):153–154, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Lin92]
- Lighthill:1976:FHJ**
- [Lig76] James Lighthill. Flagellar hydrodynamics. the John von Neumann lecture, 1975. *SIAM Review*, 18(?):161–230, ??? 1976. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Lio82]
- Ling:1986:AAI**
- [Lin86] Frederick F. Ling. Asymptotic analyses in isothermal fluid film lubrication theories. *SIAM Review*, 28(3):343–366, September 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Lindquist:1990:LSS]
- Anders Lindquist. Linear stochastic systems (Peter E. Caines). *SIAM Review*, 32(2):325–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Lindberg:1991:DSS]
- Herbert E. Lindberg. Dynamic stability of suddenly loaded structures (George J Simitses). *SIAM Review*, 33(2):327–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ling:1992:AMD]
- Robert F. Ling. Applied multivariate data analysis, vol. I: Regression and experimental design (J. D. Jobson). *SIAM Review*, 34(4):671–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Lions:1982:EPS]
- P.-L. Lions. On the existence of positive solutions of semilinear elliptic equations. *SIAM Review*, 24(4):441–467, October 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Lions:1988:ECS]
- J. L. Lions. Exact controllability, stabilization and perturbations

- for distributed systems. *SIAM Review*, 30(1):1–68, March 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Liu:1991:IMI**
- [Liu91] Xiaosong Liu. Integral manifolds and inertial manifolds for dissipative partial differential equations (P. Constantin, C. Foias, B. Nicolaenko, and R. Temam). *SIAM Review*, 33(3):489–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Liu:1992:MMS**
- [Liu92] Joseph W. H. Liu. The multifrontal method for sparse matrix solution: Theory and practice. *SIAM Review*, 34(1):82–109, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Liz:1998:CNN**
- [Liz98] Eduardo Liz. Classroom note: A note on the matrix exponential. *SIAM Review*, 40(3):700–702, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32075>.
- Lawler:1998:ISP**
- [LK98] Gregory F. Lawler and Eric S. Key. Introduction to stochastic processes. *SIAM Review*, 40(1):159–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lagnese:1996:MAC**
- [LLSN96] J. E. Lagnese, G. Leugeuring, E. J. P. G. Schmidt, and Serge Nicaise. Modeling, analysis and control of dynamic elastic multi-link structures. *SIAM Review*, 38(3):537–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- LeBlond:1979:OWS**
- [LM79] Paul H. LeBlond and Lawrence A. Mysak. Ocean waves: a survey of some recent results. *SIAM Review*, 21(3):289–328, July 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lazer:1990:LAP**
- [LM90] A. C. Lazer and P. J. McKenna. Large-amplitude periodic oscillations in suspension bridges: Some new connections with nonlinear analysis. *SIAM Review*, 32(4):537–578, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lewis:1999:CCS**
- [LM99] Andrew D. Lewis and Richard M. Murray. Configuration controllability of simple mechanical control systems. *SIAM Review*, 41(3):555–574, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35106>.

- Li:2000:ECS**
- [LM00] Chi-Kwong Li and Roy Mathias. Extremal characterizations of the Schur complement and resulting inequalities. *SIAM Review*, 42(2):233–246, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32391>.
- Li:1996:OCT**
- [LmYS96] Xunjing Li, Jiong min Yong, and Srdjan Stojanovic. Optimal control theory for infinite dimensional systems. *SIAM Review*, 38(2):352–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Loeser:1992:GHF**
- [Loe92] Francois Loeser. Generalized hypergeometric functions (Bernard Dwork). *SIAM Review*, 34(4):673–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Logan:1997:BRM**
- [Log97] J. David Logan. Book review: Modelling Mathematical Methods and Scientific Computation, by Nicola Bellomo and Luigi Preziosi. *SIAM Review*, 39(1):154–156, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Logan:1998:SSH**
- [Log98] J. David Logan. Similarity solution to a heat exchange problem. *SIAM Review*, 40(4):918–921, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32391>.
- Lord:1991:TBE**
- [Lor91] W. Lord. Topics in boundary element research. vol. 6: Electromagnetic applications (C. A. Brebbia, ed.). *SIAM Review*, 33(3):510–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Louko:1992:IGR**
- [Lou92] Jorma Louko. An introduction to general relativity (L. P. Hughston and K. P. Tod). *SIAM Review*, 34(4):675–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Li:2000:NSF**
- [LR00] Jie Li and Yuriko Renardy. Numerical study of flows of two immiscible liquids at low Reynolds number. *SIAM Review*, 42(3):417–439, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35460>.
- Lancaster:1996:ARE**
- [LRM96] Peter Lancaster, Leiba Rodman, and Volker Mehrmann. Algebraic Riccati equations. *SIAM Review*, 38(4):694–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Lindamood:1963:MCO**
- [LS63] George E. Lindamood and George Shapiro. Magnitude comparison and overflow detection in modular arithmetic computers. *SIAM Review*, 5(?):342–350, ??? 1963. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Levin:1985:PGS**
- [LS85] Simon A. Levin and Lee A. Segel. Pattern generation in space and aspect. *SIAM Review*, 27(1):45–67, March 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Langer:1996:LAK**
- [LS96] Joel Langer and David A. Singer. Lagrangian aspects of the Kirchhoff elastic rod. *SIAM Review*, 38(4):605–618, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/25329>.
- Luck:2002:EST**
- [LS02] Rogelio Luck and James W. Stevens. Explicit solutions for transcendental equations. *SIAM Review*, 44(2):227–233, June 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/38611>.
- Lynn:1998:BAN**
- [LSS98] Nicholas Lynn, Nozer Singpurwalla, and Adrian Smith.
- Levy:1998:SFD**
- [LT98] Doron Levy and Eitan Tadmor. From semidiscrete to fully discrete: Stability of Runge-Kutta schemes by the energy method. *SIAM Review*, 40(1):40–73, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/31625>.
- Ludwig:1991:ETD**
- [Lud91] Donald Ludwig. Estimation techniques for distributed parameter systems (H. T. Banks and K. Kunisch). *SIAM Review*, 33(3):486–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Levi:1995:SIL**
- [LW95] Mark Levi and Warren Weckesser. Stabilization of the inverted linearized pendulum by high frequency vibrations. *SIAM Review*, 37(2):219–223, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/26260.htm>.

- Lyness:1983:WUA**
- [Lyn83] J. N. Lyness. When not to use an automatic quadrature routine. *SIAM Review*, 25(1):63–87, January 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mickens:1995:NFD**
- [MA95] Ronald E. Mickens and Ravi P. Agarwal. Nonstandard finite difference models of differential equations. *SIAM Review*, 37(3):459–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- MacKay:1991:CSN**
- [Mac91a] R. S. MacKay. Chaos in systems with noise (Tomasz Kapitaniak). *SIAM Review*, 33(4):666–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- MacKay:1991:CES**
- [Mac91b] R. S. MacKay. Chaotic evolution and strange attractors: The statistical analysis of time series for deterministic nonlinear systems (David Ruelle). *SIAM Review*, 33(2):328–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- MacSithigh:1992:MEV**
- [Mac92] Gearoid P. Mac Sithigh. Mathematical elasticity: Volume one: Three-dimensional elasticity (Phillipe G. Ciarlet). *SIAM Review*, 34(3):513–??, September 1992. CODEN SIREAD.
- [Mac96] ISSN 0036-1445 (print), 1095-7200 (electronic).
- Macki:1996:CTI**
- J. W. Macki. Catastrophe theory implications for right-sizing when planning interim solutions for progressing from a partial mainframe to client-server distributed databases: 3D previewing of possible problems. *SIAM Review*, 38(3):487–495, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Macki:1998:NEC**
- Jack Macki. Notice: Erratum and comments on “Initialization of the Simplex Algorithm: An Artificial-Free Approach” [SIAM Review, **39**, (1997), no. 4, 736–744]. *SIAM Review*, 40(4):1024, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97017>. See [Ars97].
- Macki:1998:TNE**
- Jack Macki. Three notes on the exponential of a matrix and applications. *SIAM Review*, 40(3):699, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97014>.
- MacCluer:2000:MPA**
- C. R. MacCluer. The many proofs and applications of Per-
- [Mac98a]
- [Mac98b]
- [Mac00]

- ron's theorem. *SIAM Review*, 42(3):487–498, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35944>.
- Mahaffy:1994:DCM**
- [Mah94] J. M. Mahaffy. The dynamics of cellular motility (M. Murase). *SIAM Review*, 36(2):307–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Majda:1991:VTA**
- [Maj91] Andrew J. Majda. Vorticity, turbulence, and acoustics in fluid flow. *SIAM Review*, 33(3):349–388, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Malliaris:1981:MMF**
- [Mal81] A. G. Malliaris. Martingale methods in financial decision-making. *SIAM Review*, 23(4):434–443, October 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Malliaris:1983:IOC**
- [Mal83] A. G. Malliaris. Itô's calculus in financial decision making. *SIAM Review*, 25(4):481–496, October 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Malkus:1990:FEM**
- [Mal90] David S. Malkus. Finite element methods (H. R. Schwarz;
- [Man82] J. R. Whiteman, ed., Caroline M. Whiteman, trans.). *SIAM Review*, 32(3):512–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mangel:1982:AMN**
- [Man82] Marc Mangel. Applied mathematicians and naval operators. *SIAM Review*, 24(3):289–300, July 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Man:1990:CTW**
- [Man90a] Chi-Sing Man. A commentary on thermodynamics (William Alan Day). *SIAM Review*, 32(1):178–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mangel:1990:IMP**
- [Man90b] Marc Mangel. An introduction to mathematical physiology and biology (J Mazumdar). *SIAM Review*, 32(3):513–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Marcotte:1989:SSB**
- [Mar89] Patrice Marcotte. To serve or not to serve: a badminton dilemma. *SIAM Review*, 31(2):303–305, June 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Massell:1992:QWP**
- [Mas92] Paul B. Massell. A quick way to prove the existence of centers

- in two-dimensional almost linear systems. *SIAM Review*, 34(3):492–495, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mattheij:1985:DSA**
- [Mat85] R. M. M. Mattheij. Decoupling and stability of algorithms for boundary value problems. *SIAM Review*, 27(1):1–44, March 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mathis:1989:EFR**
- [Mat89] Frank Mathis. Effect of fatigue on running strategies. *SIAM Review*, 31(2):306–309, June 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mathis:1991:GBP**
- [Mat91] Frank H. Mathis. A generalized birthday problem. *SIAM Review*, 33(2):265–270, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mattson:1994:ECC**
- [Mat94] H. F. Mattson. Error correcting codes-theory and applications (Alain Poli and Llorenç Huguet). *SIAM Review*, 36(2):309–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mawhin:1991:SAN**
- [Maw91] Jean Mawhin. Stability analysis of nonlinear systems (V. Lakshmikantham, S. Leela, and A. Martynyuk). *SIAM Review*, 33(1):152–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mawhin:1993:NPS**
- Jean Mawhin. Non-linear phenomena in science and engineering (George Rowlands). *SIAM Review*, 35(1):158–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mayer:1960:RTA**
- A. Mayer. Rotations and their algebra. *SIAM Review*, 2(1):77–122, ??? 1960. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mayle:1990:HTT**
- R. E. Mayle. Heat transfer in turbulent mixed convection (B. S. Petukhov and A. F. Polyakov; R. Hainsworth and G. Rybchinskaya, trans.; B. E. Launder, ed., English edition). *SIAM Review*, 32(2):328–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Maybee:1991:PGT**
- John S. Maybee. Pearls in graph theory: Comprehensive introduction (N Hartsfield and G. Ringel). *SIAM Review*, 33(4):664–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Mazaika:1984:LSU**
- [Maz84] Paul K. Mazaika. A lattice summation using the mean value theorem for harmonic functions. *SIAM Review*, 26(1):113–115, January 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mika:1997:SPE**
- [MBK97] J. R. Mika, J. Banasiak, and Hans G. Kaper. Singularly perturbed evolution equations with applications to kinetic theory. *SIAM Review*, 39(3):533–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mickens:1998:CNM**
- [MBR98] Ronald E. Mickens, Denise N. Brewley, and Matasha L. Russell. Classroom note: A model of dieting. *SIAM Review*, 40(3):667–672, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31874>.
- MacCluer:1991:CIP**
- [MC91] C. R. MacCluer and Yossi Chait. Choosing an inner product that separates variables. *SIAM Review*, 33(3):467–471, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McAllister:1987:ANR**
- [McA87] M. Luisa N. McAllister. An algorithm for networks of rules. *SIAM Review*, 29(2):291–296, June 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McAllister:1992:PTA**
- [McA92] M. Luisa N. McAllister. Possibility theory: An approach to computerized processing of uncertainty (Didier Dubois and Henri Prade; with H. Fargeny, R. Martin-Clouaire, and C. Testemale; E. F. Harding, trans.). *SIAM Review*, 34(1):147–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McArthur:1994:NMB**
- [McA94] K. M. McArthur. Numerical methods based on sinc and analytic functions (Frank Stenger). *SIAM Review*, 36(4):673–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McCabe:1991:CFS**
- [McC91a] J. H. McCabe. Continued fractions in statistical applications (K. O. Bowman and L. R. Shenton). *SIAM Review*, 33(2):329–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McCall:1991:MBA**
- [McC91b] Brian P. McCall. Multi-armed bandit allocation indices (J. C. Gittins). *SIAM Review*, 33(1):154–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- McCaffrey:1992:GAM**
- [McC92a] Daniel F. McCaffrey. Generalized additive models (T. J. Hastie and R. J. Tibshirani). *SIAM Review*, 34(4):675–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McCartin:1992:AAD**
- [McC92b] Brian J. McCartin. An alternative analysis of Duffing's equation. *SIAM Review*, 34(3):482–491, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McCabe:1993:HCF**
- [McC93] J. H. McCabe. History of continued fractions and Padé approximants (Claude Brezinski). *SIAM Review*, 35(1):159–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McCartin:2003:EET**
- [McC03] Brian J. McCartin. Eigenstructure of the equilateral triangle, part I: The Dirichlet problem. *SIAM Review*, 45(2):267–287, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38720>.
- McGarvey:1982:AGS**
- [McG82] James F. McGarvey. Approximating the general solution of a differential equation. *SIAM Review*, 24(3):333–337, July 1982.
- McGrath:1993:PIE**
- [McG93] Joseph McGrath. A primer on integral equations of the first kind: The problem of deconvolution and unfolding (G. Milton Wing assisted by John D. Zahrt). *SIAM Review*, 35(2):328–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- McLaughlin:1986:AMR**
- [McL86] Joyce R. McLaughlin. Analytical methods for recovering coefficients in differential equations from spectral data. *SIAM Review*, 28(1):53–72, March 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Michelotti:1996:ICD**
- [MD96] Leo Michelotti and H. Scott Dumas. Intermediate classical dynamics with applications to beam physics. *SIAM Review*, 38(4):685–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meade:1998:OMP**
- [Mea98] Douglas B. Meade. ODE models for the parachute problem. *SIAM Review*, 40(2):327–332, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31624>.

- Mecke:1992:FCG**
- [Mec92] J. Mecke. Factorization calculus and geometric probability (R. V. Ambartzumian). *SIAM Review*, 34(3):514–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meicler:1968:CSI**
- [Mei68] Marcel Meicler. Chebyshev solution of an inconsistent system of $n + 1$ linear equations in n unknowns in terms of its least squares solution. *SIAM Review*, 10(??):373–375, ??? 1968. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Melman:1997:CNG**
- [Mel97] A. Melman. Classroom note: Geometry and convergence of Euler's and Halley's methods. *SIAM Review*, 39(4):728–735, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30114>.
- Menaldi:1994:CMP**
- [Men94] Jose Luis Menaldi. Controlled Markov processes and viscosity solutions (Wendell H. Fleming and H. Mete Soner). *SIAM Review*, 36(1):133–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meyer:1980:EA**
- [Mey80] R. E. Meyer. Exponential asymptotics. *SIAM Review*, 22(2):213–224, April 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meyer:1986:CDS**
- [Mey86] K. R. Meyer. Counter-examples in dynamical systems via normal form theory. *SIAM Review*, 28(1):41–51, March 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meyer:1989:SCU**
- [Mey89a] Carl D. Meyer. Stochastic complementation, uncoupling Markov chains, and the theory of nearly reducible systems. *SIAM Review*, 31(2):240–272, June 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meyer:1989:SES**
- [Mey89b] R. E. Meyer. A simple explanation of the Stokes phenomenon. *SIAM Review*, 31(3):435–445, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meyer:1991:IDS**
- [Mey91] Kenneth R. Meyer. An introduction to dynamical systems (D. K. Arrowsmith and C. M. Place). *SIAM Review*, 33(4):664–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meyer:1993:PON**
- [Mey93] Y. Meyer. Pseudodifferential operators and nonlinear partial differential equations (M. E. Tay-

- [Mey94] G. H. Meyer. Applied integral transforms (M. Ya. Antimirov, A. A. Kolyshin, and Remi Vailancourt). *SIAM Review*, 36(4):674–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Meyer:1994:AIT**
- [MG96] Chiang C. Mei and Jurgen Gerlach. Mathematical analysis in engineering. *SIAM Review*, 38(2):342–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mei:1996:MAE**
- [MH96] Victor P. Maslov and Evans M. Harrell, II. The complex WKB method for nonlinear equations 1: Linear theory. *SIAM Review*, 38(1):168–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Maslov:1996:CWM**
- [MHC01] J. M. McNamara, A. I. Houston, and E. J. Collins. Optimality models in behavioral biology. *SIAM Review*, 43(3):413–466, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38526>.
- McNamara:2001:OMB**
- [Mil61] H. D. Mills. Smoothing in servo processes. *SIAM Review*, 3(1):131–139, ????, 1961. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mills:1961:SSP**
- [Mil68] C. B. Millham. On the structure of equilibrium points in bimatrix games. *SIAM Review*, 10(??):447–448, ????, 1968. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Millham:1968:SEP**
- [Mil69] K. S. Miller. Complex Gaussian processes. *SIAM Review*, 11(??):544–567, ????, 1969. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Miller:1969:CGP**

Mickens:1988:ESP

Ronald E. Mickens. Exact solutions to a population model: The logistic equation with advection. *SIAM Review*, 30(4):629–633, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Michael:1992:CRS

Anthony N. Michael. Code recognition and set selection with neural networks (Clark Jeffries). *SIAM Review*, 34(4):678–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Mills:1961:SSP

H. D. Mills. Smoothing in servo processes. *SIAM Review*, 3(1):131–139, ????, 1961. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Millham:1968:SEP

C. B. Millham. On the structure of equilibrium points in bimatrix games. *SIAM Review*, 10(??):447–448, ????, 1968. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

Miller:1969:CGP

K. S. Miller. Complex Gaussian processes. *SIAM Review*, 11(??):544–567, ????, 1969. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Milton:1990:BDS**
- [Mil90] John G. Milton. Biological delay systems: Linear stability theory (N MacDonald). *SIAM Review*, 32(3):514–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Milton:1991:DPF**
- [Mil91] John G. Milton. Depth perception in frogs and toads: A study in neural computing (Donald House). *SIAM Review*, 33(1):155–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Miles:1993:EBR**
- [Mil93] John Miles. The electric bell revisited. *SIAM Review*, 35(2):289–293, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Milton:1994:MML**
- [Mil94] John Milton. Mathematics in medicine and the life sciences (F. C. Hoppensteadt and C. S. Peskin). *SIAM Review*, 36(1):134–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Milgram:1998:TPA**
- [Mil98] Judah Milgram. Turn performance of aircraft, revisited. *SIAM Review*, 40(4):957–958, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33180>.
- Miranker:1997:IEC**
- [Mir97] Willard L. Miranker. Interference effects in computation. *SIAM Review*, 39(4):630–643, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29626>.
- Mitchell:1993:VSC**
- [Mit93] John C. Mitchell. Verification of sequential and concurrent programs (Krzysztof R. Apt and Ernst-Rudiger Olderog). *SIAM Review*, 35(2):330–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mittelmann:1994:PSP**
- [Mit94] H. Mittelmann. PLTMG: A software package for solving elliptic partial differential equations (Randolph E. Bank). *SIAM Review*, 36(1):134–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Miura:1976:KVE**
- [Miu76] Robert M. Miura. The Korteweg-de Vries equation: a survey of results. *SIAM Review*, 18(3):412–459, 1976. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Morton:1997:NSC**
- [MK97] K. W. Morton and R. Bruce Kellogg. Numerical solution

- of convection-diffusion problems. *SIAM Review*, 39(3):535–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mahadevan:1999:PFT**
- [MK99] L. Mahadevan and Joseph B. Keller. Periodic folding of thin sheets. *SIAM Review*, 41(1):115–131, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33916>.
- Mow:1980:RDS**
- [ML80] Van C. Mow and W. Michael Lai. Recent developments in synovial joint biomechanics. *SIAM Review*, 22(3):275–317, July 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mickens:1998:OPD**
- [ML98] Ronald E. Mickens and Mark Levi. Oscillations in planar dynamic systems. *SIAM Review*, 40(1):162–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Moler:2003:NDW**
- [ML03] Cleve Moler and Charles Van Loan. Nineteen dubious ways to compute the exponential of a matrix, twenty-five years later. *SIAM Review*, 45(1):3–49, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/23719.htm>.
- MM98**
- epubs.siam.org/sam-bin/dbq/article/41801.
- Mladineo:1994:MBM**
- R. Hunter Mladineo. Model building in mathematical programming (H. P. Williams). *SIAM Review*, 36(2):313–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mladenov:1997:BRG**
- Ivailo M. Mladenov. Book review: *Group Theory and Physics*, by S. Sternberg. *SIAM Review*, 39(2):352–354, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Manas:1989:PCI**
- G. J. Manas and D. H. Meyer. On a problem of coin identification. *SIAM Review*, 31(1):114–117, March 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mathis:1995:NPA**
- Frank H. Mathis and Lenora Jane Mathis. A nonlinear programming algorithm for hospital management. *SIAM Review*, 37(2):230–234, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/23719.htm>.
- McCluskey:1998:SIB**
- C. Connell McCluskey and James S. Muldowney. Stability implications of Bendixson's

- criterion. *SIAM Review*, 40(4):931–934, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32844>.
- [Mattheij:1998:ODE] R. M. M. Mattheij, J. Molenaar, and Lawrence F. Shampine. Ordinary differential equations in theory and practice. *SIAM Review*, 40(1):175–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [MMS98] Pedro Morin, Ricardo H. Nochetto, and Kunibert G. Siebert. Convergence of adaptive finite element methods. *SIAM Review*, 44(4):631–658, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/40909>.
- [Morin:2002:CAF] Jack W. Macki, Paolo Nistri, and Pietro Zecca. Mathematical models for hysteresis. *SIAM Review*, 35(1):94–123, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Macki:1993:MMH] Charles J. Mode. Random number generators and simulation (Istvan Deak). *SIAM Review*, 34(2):338–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Mol95] J. Boersma J. Molenaar. Geometry of the shoulder of a packaging machine. *SIAM Review*, 37(3):406–422, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/27080.htm>.
- [Mon82] Giovanni Monegato. Stieltjes polynomials and related quadrature rules. *SIAM Review*, 24(2):137–158, April 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Mon88] R. Moore. Bounding sets in function spaces with applications to nonlinear operator equations. *SIAM Review*, 20(?):492–512, ??? 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Moo78] J. J. Moré. Coercivity conditions in nonlinear complementarity problems. *SIAM Review*, 16(1):1–16, January 1974. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [More:1974:CCN] Pedro A. Morettin. Walsh spectral analysis. *SIAM Review*, 23[Morettin:1981:WSA]
- [Mod92] [Mor74] [Mor81]

- (3):279–291, July 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Morley:1985:SPW**
- [Mor85] Tom Morley. A simple proof that the world is three-dimensional. *SIAM Review*, 27(1):69–71, March 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See errata [Mor86].
- Morley:1986:ESP**
- [Mor86] Tom Morley. Errata: “A simple proof that the world is three-dimensional” [SIAM rev. 27 (1985), no. 1, 69–71 and MR 86f:35111]. *SIAM Review*, 28(2):229, June 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See [Mor85].
- Morley:1988:RWP**
- [Mor88] Tom Morley. Radial wave propagation and distortionless signalling. *SIAM Review*, 30(1):115–118, March 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mortensen:1991:IDS**
- [Mor91] Richard E. Mortensen. Infinite-dimensional dynamical systems in mechanics and physics (Roger Temam). *SIAM Review*, 33(1):156–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Mor92] Frank Morgan. Calculus, planets, and general relativity. *SIAM Review*, 34(2):295–299, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Morgan:1992:CPG**
- [Mor93] Walter Morris. The linear complementarity problem (R. W. Cottle, J.-S. Pang, and R. E. Stone). *SIAM Review*, 35(4):673–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Morris:1993:LCP**
- [Mor97] Anne C. Morlet. Book review: Water Waves: Relating Modern Theory to Advanced Engineering Practice, by Matiur Rahman. *SIAM Review*, 39(1):156–157, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Morlet:1997:BRW**
- [Mor98] William J. Morokoff. Generating quasi-random paths for stochastic processes. *SIAM Review*, 40(4):765–788, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31795>.
- Morokoff:1998:GQR**
- [Mos66] J. Moser. On the theory of quasiperiodic motions. *SIAM Review*, 8(?):145–172, ????
- Moser:1966:TQM**

1966. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Moser:1986:RDT**
- [Mos86] Jürgen Moser. Recent developments in the theory of Hamiltonian systems. *SIAM Review*, 28(4):459–485, December 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Moser:1992:CPD**
- [Mos92] Louise E. Moser. Calculus and probability determine the performance of a disk drive. *SIAM Review*, 34(4):635–641, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Moskowitz:1993:ITR**
- [Mos93] Ira S. Moskowitz. Information theory (Robert B. Ash). *SIAM Review*, 35(4):674–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Miller:1997:FNM**
- [MOSK97] J. J. H. Miller, E. O’Riordan, G. I. Shishkin, and R. Bruce Kellogg. Fitted numerical methods for singular perturbation problems. *SIAM Review*, 39(3):535–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Moses:1993:PEF**
- [MP93] Harry E. Moses and Reese T. Prosser. Propagation of an electromagnetic field through a planar slab. *SIAM Review*, 35(4):610–620, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Madhukar:2002:EMC**
- [MPRW02] A. Madhukar, T. Parent, I. G. Rosen, and C. Wang. An elementary model for control of a semiconductor etching process. *SIAM Review*, 44(4):678–695, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38229>.
- Medvinsky:2002:SCP**
- [MPT⁺02] Alexander B. Medvinsky, Sergei V. Petrovskii, Irene A. Tikhonova, Horst Malchow, and Bai-Lian Li. Spatiotemporal complexity of plankton and fish dynamics. *SIAM Review*, 44(3):311–370, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/40444>.
- Micchelli:1995:MAG**
- [MQ95] Charles A. Micchelli and Ewald Quak. Mathematical aspects of geometric modeling. *SIAM Review*, 37(4):636–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Melman:2000:EMC**
- [MR00] A. Melman and G. Rabinowitz. An efficient method for a class

- of continuous nonlinear knapsack problems. *SIAM Review*, 42(3):440–448, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33017>.
- Mroz:1991:SDO**
- [Mro91] Zenon Mroz. Structural design via optimality criteria: The prager approach to structural optimization (George I. N. Rozvany). *SIAM Review*, 33(1):158–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- MacBain:1991:SIR**
- [MS91] John MacBain and Bruce Secrest. Source identification in remote sensing problems. *SIAM Review*, 33(1):109–113, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Marchuk:1996:AEA**
- [MS96a] Guri I. Marchuk and Thomas P. Svobodny. Adjoint equations and analysis of complex systems. *SIAM Review*, 38(2):353–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Melrose:1996:GST**
- [MS96b] Richard B. Melrose and John Sylvester. Geometric scattering theory. *SIAM Review*, 38(4):702–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- MTM96**
- [MSO96] Milos Marek, Igor Schreiber, and Edward Ott. Chaotic behavior of deterministic dissipative systems. *SIAM Review*, 38(4):695–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Marek:1996:CBD**
- [MSS96] Jean-Michel Morel, Sergio Solimini, and Jayant Shah. Variational methods in image segmentation. *SIAM Review*, 38(1):179–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Morel:1996:VMI**
- [MT84] Frank H. Mathis and Danny W. Turner. Estimating the length of material wrapped around a cylindrical core. *SIAM Review*, 26(2):263–266, April 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Mathis:1984:ELM**
- [MT96] K. A. Morris and K. J. Taylor. A variational calculus approach to the modelling of flexible manipulators. *SIAM Review*, 38(2):294–305, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/p294.htm>.
- Morris:1996:VCA**
- [McNeill:1996:FLP] M. McNeill, E. Thro, and Marialuisa N. McAllister. Fuzzy logic:

- A practical approach. *SIAM Review*, 38(1):173–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Murdock:1994:PME**
- [Mur94] James Murdock. Perturbation methods for engineers and scientists (Alan W Bush). *SIAM Review*, 36(1):136–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Murio:1997:BRE**
- [Mur97] Diego A. Murio. Book review: *Elliptic Marching Methods for Domain Decomposition*, by Patrick J. Roache. *SIAM Review*, 39(2):354–355, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Moler:1978:NDW**
- [MV78] Cleve Moler and Charles Van Loan. Nineteen dubious ways to compute the exponential of a matrix. *SIAM Review*, 20(4):801–836, October 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Miller:1993:ERG**
- [MV93] Allen R. Miller and Emanuel Vegh. Exact result for the grazing angle of specular reflection from a sphere. *SIAM Review*, 35(3):472–480, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [MW95] [Mishra:1995:AA]
- B. Mishra and Franz Winkler. Algorithmic algebra. *SIAM Review*, 37(3):479–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Michel:1997:QTD**
- [MWL97] Anthony N. Michel, Kaining Wang, and V. Lakshmikantham. Qualitative theory of dynamical systems: The role of stability preserving mappings. *SIAM Review*, 39(3):540–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Munk:1996:OAT**
- [MWWC96] W. Munk, P. Worcester, C. Wunsch, and Michael D. Collins. Ocean acoustic tomography. *SIAM Review*, 38(4):683–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Moreira:1997:CNG**
- [MY97] [Helmar Nunes Moreira and Wang Yuquan: Classroom note: Global stability in an $S \rightarrow I \rightarrow R \rightarrow I$ model.] *SIAM Review*, 39(3):496–502, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29587>.
- Myers:1998:TFH**
- [Mye98] T. G. Myers. Thin films with high surface tension. *SIAM*

- Review*, 40(3):441–462, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29284>.
- Naatz:2001:NQC**
- [Naa01] Michael Naatz. A note on a question of C. D. Savage. *SIAM Journal on Discrete Mathematics*, 14(1):116–120, February 2001. CODEN SJDMEC. ISSN 0895-4801 (print), 1095-7146 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36919>. See [Sav97].
- Nash:1990:INL**
- [Nas90] John C. Nash. Introduction to numerical linear algebra and optimisation (Philippe G. Ciarlet with Bernadette Miara and Jean-Marie Thomas; A. Buttigieg, trans.). *SIAM Review*, 32(4):700–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nazareth:1980:SRA**
- [Naz80] Larry Nazareth. Some recent approaches to solving large residual nonlinear least squares problems. *SIAM Review*, 22(1):1–11, January 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nazareth:1986:CGM**
- [Naz86] J. L. Nazareth. Conjugate gradient methods less dependent on conjugacy. *SIAM Review*, 28(4):501–511, December 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nazareth:1994:NCP**
- J. L. Nazareth. The Newton and Cauchy perspectives on computational nonlinear optimization. *SIAM Review*, 36(2):215–225, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/24004.htm>.
- Nayfeh:1996:AND**
- Ali H. Nayfeh, Balakumar Balachandran, and R. H. Rand. Applied nonlinear dynamics: Analytical, computational and experimental methods. *SIAM Review*, 38(2):350–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Neuberger:1994:STA**
- J. W. Neuberger. Semigroup theory with applications to systems and control (N U. Ahmed). *SIAM Review*, 36(1):137–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Neumaier:1997:MMP**
- Arnold Neumaier. Molecular modeling of proteins and mathematical prediction of protein structure. *SIAM Review*, 39(3):407–460, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/27806>.

- Neuman:1997:BRF**
- [Neu97b] Frantisek Neuman. Book review: Finite Sums Decompositions in Mathematical Analysis, by Themistocles M. Rassias and Jaromir Simsa. *SIAM Review*, 39(1):157–159, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Neumaier:1998:SIC**
- [Neu98] Arnold Neumaier. Solving ill-conditioned and singular linear systems: A tutorial on regularization. *SIAM Review*, 40(3):636–666, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32190>.
- Newman:1984:RWN**
- [New84] David Newman. In a random walk the number of “unique experiences” is two on the average. *SIAM Review*, 26(4):573–574, October 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Newman:2003:SFC**
- [New03] M. E. J. Newman. The structure and function of complex networks. *SIAM Review*, 45(2):167–256, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/42480>.
- Ng:1994:SCO**
- [Ng94] Kevin Y. K. Ng. Symbolic computations in operations research.
- [Nie84] [Nie86] [Nie89]
- Nievergelt:1984:NRO**
- Yves Nievergelt. Navigation on Riemannian oceans. *SIAM Review*, 26(3):423–427, July 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nievergelt:1986:EIR**
- Yves Nievergelt. Elementary inversion of Radon’s transform. *SIAM Review*, 28(1):79–84, March 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nievergelt:1989:MHP**
- Yves Nievergelt. Mathematics of a home-made parabolic reflector. *SIAM Review*, 31(3):490–492, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nield:1994:OEF**
- D. A. Nield. Odd-even factorization results for eigenvalue problems. *SIAM Review*, 36(4):649–651, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nievergelt:1994:TLS**
- Yves Nievergelt. Total least squares: State-of-the-art regression in numerical analysis.

- [Nit90] Zbigniew Nitecki. Non-linear oscillations, second edition (Peter Hagedorn; Wolfram Stadler, trans. and ed.). *SIAM Review*, 32(3):516–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nitecki:1990:NOS**
- [Nin98] Yves Nievergelt. Solution to an inverse problem in diffusion. *SIAM Review*, 40(1):74–80, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30757>.
- Nievergelt:1998:SIP**
- [Nit94] Gail Nord, David Jabon, and John Nord. Classroom note: The global positioning system and the implicit function theorem. *SIAM Review*, 40(3):693–697, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Nord:1998:CNG**
- [NIN98] Gail Nord, David Jabon, and John Nord. Classroom note: The global positioning system and the implicit function theorem. *SIAM Review*, 36(2):258–264, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25606.htm>.
- Nievergelt:1996:IPH**
- [NN96] [Nor90] [Not94] [Nov94] [NS02]
- [Nguyen:1996:OIC]
- B. U. Nguyen and D. Nguyen. Optimal intercept course of vessels to a nonzero range. *SIAM Review*, 38(4):647–649, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28650>.
- Norris:1990:ASB**
- Andrew N. Norris. Acoustics of solids (A. I. Beltzer). *SIAM Review*, 32(1):180, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Notz:1994:OED**
- W. I. Notz. Optimum experimental designs (A. C. Atkinson and A. N. Donev). *SIAM Review*, 36(2):315–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Novak:1994:ICJ**
- E. Novak. Information-based complexity (Joseph F. Traub, G. W Wasilkowski, and H. Wozniakowski). *SIAM Review*, 36(3):514–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Newbury:2002:IGL**
- Peter R. Newbury and Raymond J. Spiteri. Inverting grav-
- (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32734>.

- itational lenses. *SIAM Review*, 44(1):111–130, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38093>.
- Nunez:1996:DAM**
- [Núñ96] Manuel Núñez. The decay of axisymmetric magnetic fields: A review of Cowling's theorem. *SIAM Review*, 38(4):553–564, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/26157>.
- Nguyen:1982:RUL**
- [NW82] V. V. Nguyen and E. F. Wood. Review and unification of linear identifiability concepts. *SIAM Review*, 24(1):34–51, January 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- NunesMoreira:1997:CNG**
- [NW97] Helmar Nunes Moreira and Yuquan Wang. Classroom note: Global stability in an $S \rightarrow I \rightarrow R \rightarrow I$ model. *SIAM Review*, 39(3):496–502, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29587>.
- Nicolaides:1997:MCI**
- [NWF97] Roy Nicolaides, Noel Walkington, and Patrick Fitzpatrick.
- [Ock91] [Ock92]
- Ockendon:1991:NCH**
- J. R. Ockendon. Nonequilibrium condensation in high-speed gas flows (Yuri A Ryzhov, Ul'yan G. Pirumov, and Vladimir N. Gorbunov; V. A. Khokhryakov, trans.). *SIAM Review*, 33(1):159–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ockendon:1992:MIP**
- J. R. Ockendon. Mathematics in industrial problems: Part 4 (Avner Friedman). *SIAM Review*, 34(4):679–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- ORourke:1995:CGC**
- J. O'Rourke and Christoph M. Hoffmann. Computational geometry in C. *SIAM Review*, 37(1):128–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Orum:2000:EHA**
- [OHBG00]
- J. C. Orum, R. T. Hudspeth, W. Black, and R. B. Guenther. Extension of the Herglotz algorithm to nonautonomous canonical transformations. *SIAM Review*, 42(1):83–90, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200
- Maple: A comprehensive introduction. *SIAM Review*, 39(4):792–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/34762>.
- OMalley:1998:TAC**
- [OL98] Robert E. O’Malley Jr and J. David Logan. Thinking about ordinary differential equations. *SIAM Review*, 40(1):163–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Olek:1994:ASM**
- [Ole94] Shmuel Olek. An accurate solution to the multispecies Lotka-Volterra equations. *SIAM Review*, 36(3):480–488, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/24342.htm>.
- Oliker:2002:EOS**
- [OLHB02] Leonid Oliker, Xiaoye Li, Parry Husbands, and Rupak Biswas. Effects of ordering strategies and programming paradigms on sparse matrix computations. *SIAM Review*, 44(3):373–393, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/38207>.
- Olsder:2003:BRM**
- [Ols03] Geert Jan Olsder. Bicycle routing for maximum suntan. *SIAM Review*, 45(2):345–358, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/39612>.
- Olver:1980:AAE**
- [Olv80] F. W. J. Olver. Asymptotic approximations and error bounds. *SIAM Review*, 22(2):188–203, April 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Olver:1990:SDE**
- [Olv90] Peter J. Olver. Symmetries and differential equations (G. W. Bluman and S. Kumei). *SIAM Review*, 32(3):517–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Olver:1991:DET**
- [Olv91] Peter J. Olver. Differential equations: Their solution using symmetries (Hans Stephani). *SIAM Review*, 33(2):330–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Olver:1993:GAP**
- [Olv93] Peter J. Olver. Geometrical aspects of partial differential equations (V. V. Zharinov). *SIAM Review*, 35(4):675–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Olver:1997:BRS**
- Frank W. J. Olver. Book review: *Special Functions: An Introduction to the Classical Functions of Mathematical Physics*, by Nico

- M. Temme. *SIAM Review*, 39(2):355–356, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- OMalley:1988:NSP**
- [O'M88] R. E. O'Malley, Jr. On nonlinear singularly perturbed initial value problems. *SIAM Review*, 30(2):193–212, June 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- OMalley:1992:SPS**
- [O'M92] R. E. O'Malley. Singular perturbations I. spaces and singular perturbations on manifolds without boundaries (L. S. Frank). *SIAM Review*, 34(1):142–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- OMalley:1994:SPE**
- [O'M94] Robert E. O'Malley, Jr. On singular perturbations, especially matching. *SIAM Review*, 36(3):413–414, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25788.htm>.
- OMalley:2000:BRa**
- [O'M00a] Bob O'Malley. Book reviews. *SIAM Review*, 42(2):333–365, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97049>.
- OMalley:2000:BRb**
- [O'M00b] Bob O'Malley. Book reviews. *SIAM Review*, 42(3):513–552, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97055>.
- OMalley:2000:BRc**
- [O'M00c] Bob O'Malley. Book reviews. *SIAM Review*, 42(4):737–768, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97060>.
- OMalley:2001:BRa**
- [O'M01a] Bob O'Malley. Book reviews. *SIAM Review*, 43(1):179–232, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97065>.
- OMalley:2001:BRb**
- [O'M01b] Bob O'Malley. Book reviews. *SIAM Review*, 43(2):369–409, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97070>.
- OMalley:2001:BRc**
- [O'M01c] Bob O'Malley. Book reviews. *SIAM Review*, 43(3):547–581, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- URL <http://pubs.siam.org/sam-bin/dbq/article/97075>.
- OMalley:2001:BRd**
- [O'M01d] Bob O'Malley. Book reviews. *SIAM Review*, 43(4):707, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97080>.
- OMalley:2002:BRa**
- [O'M02a] Bob O'Malley. Book reviews. *SIAM Review*, 44(1):131–165, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97085>.
- OMalley:2002:BRb**
- [O'M02b] Bob O'Malley. Book reviews. *SIAM Review*, 44(2):279, June 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97090>.
- OMalley:2002:BRc**
- [O'M02c] Bob O'Malley. Book reviews. *SIAM Review*, 44(3):477–522, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97095>.
- OMalley:2002:BRd**
- [O'M02d] Bob O'Malley. Book reviews. *SIAM Review*, 44(4):697–747, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97100>.
- OMalley:2003:BRa**
- [O'M03a] Bob O'Malley. Book reviews. *SIAM Review*, 45(1):125–164, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97105>.
- OMalley:2003:BRb**
- [O'M03b] Bob O'Malley. Book reviews. *SIAM Review*, 45(2):359–381, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97110>.
- OMalley:2003:BRc**
- [O'M03c] Bob O'Malley. Book reviews. *SIAM Review*, 45(3):591–624, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97115>.
- OMalley:2003:BR**
- [O'M03d] Bob O'Malley. Book reviews. *SIAM Review*, 45(4):815–845, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97120>.

- O'Rourke:1992:MAS**
- [O'R92] Joseph O'Rourke. Mathematica in action (Stan Wagon). *SIAM Review*, 34(3):515–516, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Orlik:1993:MAN**
- [Orl93] Peter Orlik. Matroid applications (Neil White, ed.). *SIAM Review*, 35(2):331–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ortega:1985:SPD**
- [OV85] James M. Ortega and Robert G. Voigt. Solution of partial differential equations on vector and parallel computers. *SIAM Review*, 27(2):149–240, June 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ortner:1995:SCW**
- [OW95] Norbert Ortner and Peter Wagner. Series, the convergence of which should be interpreted in the sense of L. schwartz's distributions. *SIAM Review*, 37(3):428–435, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/27304.htm>.
- Pryce:1995:NSS**
- [PA95] John D. Pryce and Alan L. Andrew. Numerical solution of Sturm-Liouville problems. *SIAM Review*, 37(2):252–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Packel:1988:DLP**
- [Pac88] Edward W. Packel. Do linear problems have linear optimal algorithms? *SIAM Review*, 30(3):388–403, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Palmore:1994:CDF**
- [Pal94] J. Palmore. Chaos, dynamics and fractals: an algorithmic approach to deterministic chaos (J. L. McCauley). *SIAM Review*, 36(3):515–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pan:1984:HCW**
- [Pan84] Victor Pan. How can we speed up matrix multiplication? *SIAM Review*, 26(3):393–415, July 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pan:1992:CCM**
- [Pan92] Victor Pan. Complexity of computations with matrices and polynomials. *SIAM Review*, 34(2):225–262, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Panagiotopoulos:1993:CMU**
- [Pan93] P. D. Panagiotopoulos. Convex models of uncertainty in applied mechanics (Yakov Ben-Haim and Isaac Elishakoff). *SIAM Review*,

- 35(2):331–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pan:1997:SPE**
- [Pan97] Victor Y. Pan. Solving a polynomial equation: Some history and recent progress. *SIAM Review*, 39(2):187–220, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28855>.
- Pao:1990:FPR**
- [Pao90] Yoh-Han Pao. Fundamentals of pattern recognition (Monique Pavel). *SIAM Review*, 32(4):702–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Papoulis:1985:LAW**
- [Pap85] A. Papoulis. Levinson’s algorithm, Wold’s decomposition, and spectral estimation. *SIAM Review*, 27(3):405–441, September 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pappas:1986:DGS**
- [Pap86] Richard C. Pappas. Differential-geometric solution of a problem in electrostatics. *SIAM Review*, 28(2):225–227, June 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Parlett:1964:DUM**
- [Par64] Beresford Parlett. The development and use of methods of LR type. *SIAM Review*, 6(??):275–295, ??? 1964. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Parter:1986:IME**
- [Par86] Seymour V. Parter. Iterative methods for elliptic problems and the discovery of ‘*q*’. *SIAM Review*, 28(2):153–175, June 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Parker:1990:NEE**
- [Par90] D. F. Parker. Nonlinear evolution equations (J. K. Engelbrecht, V. E. Fridman, and E. N. Pelinovski). *SIAM Review*, 32(3):519–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Parzen:1992:FST**
- [Par92a] Emanuel Parzen. Forecasting, structural time series and the Kalman filter (Andrew C. Harvey). *SIAM Review*, 34(1):155–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Parzen:1992:SMF**
- [Par92b] Emanuel Parzen. A statistical model: Frederick Mosteller’s contributions to statistics, science, and public policy (S. E. Fienberg, D. C. Hoaglin, W. H. Kruskal, and J. M. Tanur, eds.). *SIAM Review*, 34(1):147–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Pardalos:1994:OSG**
- [Par94] P. M. Pardalos. Optimization software guide (Jorge J. More and Stephen J Wright). *SIAM Review*, 36(3):518–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pataki:2003:TIP**
- [Pat03] Gábor Pataki. Teaching integer programming formulations using the traveling salesman problem. *SIAM Review*, 45(1):116–123, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36855>.
- [PC89]
- Pavel:1994:FNM**
- [Pav94] N. H. Pavel. Functional and numerical methods in viscoplasticity (I. R. Ionescu and M. Sofonea). *SIAM Review*, 36(4):675–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Petrov:1996:LTP**
- [PB96] Valentin V. Petrov and Włodzimierz Bryc. Limit theorems of probability theory: Sequences of independent random variables. *SIAM Review*, 38(3):527–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [PC95]
- Peres:1998:TLM**
- [PBL98] Pedro L. D. Peres, Ivanil S. Bonatti, and Amauri Lopes. Transmission line modeling: A circuit theory approach. *SIAM Review*, 40(2):347–352, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31604>.
- Piegorsch:1989:EUM**
- [PC90]
- Walter W. Piegorsch and George Casella. The early use of matrix diagonal increments in statistical problems. *SIAM Review*, 31(3):428–434, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See erratum [PC90].
- Piegorsch:1990:EIS**
- Walter W. Piegorsch and George Casella. Erratum. inverting a sum of matrices: “The early use of matrix diagonal increments in statistical problems” [SIAM rev. 31 (1989), no. 3, 428–434 and MR 90g:65044]. *SIAM Review*, 32(3):470, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See [PC89].
- Pruss:1995:EIE**
- [PC98]
- J. Pruss and C. Corduneanu. Evolutionary integral equations and applications. *SIAM Review*, 37(1):117–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Powell:1998:GTM**
- [PCH98]
- James A. Powell, James S. Cangalosi, and Ann Marie Harris. Games to teach mathematical modelling. *SIAM Review*, 40

- (1):87–95, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31002>.
- Pennell:1989:CPA**
- [PD89] S. Pennell and J. Deignan. Computing the projected area of a cone. *SIAM Review*, 31(2):299–302, June 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Poularikas:1997:TAH**
- [PD97] Alexander D. Poularikas and Lokenath Debnath. The transforms and applications handbook. *SIAM Review*, 39(4):791–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pfanzagl:1996:PST**
- [PE96] Johann Pfanzagl and Morris L. Eaton. Parametric statistical theory. *SIAM Review*, 38(3):527–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pearson:1981:DTS**
- [Pea81] Carl E. Pearson. Dual time scales in a wave problem governed by coupled nonlinear equations. *SIAM Review*, 23(4):425–433, October 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pearson:1982:OMS**
- [Pea82] Carl E. Pearson. Optimal mapping from a sphere onto a plane. *SIAM Review*, 24(4):469–475, October 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Peck:1962:PCF**
- [Pec62] J. E. L. Peck. Polynomial curve fitting with constraint. *SIAM Review*, 4(1):135–151, ??? 1962. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pieroux:2003:HBS**
- [PEGK03] Didier Pieroux, Thomas Erneux, Athanasios Gavrielides, and Vassilios Kovanis. Hopf bifurcation subject to a large delay in a laser system. *SIAM Review*, 45(3):523–540, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/42355>.
- Peligrad:1997:BRS**
- [Pel97] Magda Peligrad. Book review: *Stable Non-Gaussian Random Processes*, by Gennady Samorodnitsky and Murad S. Taqqu. *SIAM Review*, 39(2):356–358, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Penrice:1995:AEP**
- [Pen95] Stephen G. Penrice. Applying elementary probability theory to the NBA draft lottery. *SIAM Review*, 37(4):598–602, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-

- [Per93] Nigel Perry. Lazy functional languages: Abstract interpretation and compilation (Geoffrey Burn). *SIAM Review*, 35(2):332–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Perry:1993:LFL**
- [Pet91] Ivars Peterson. Searching for new mathematics. *SIAM Review*, 33(1):37–42, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Peterson:1991:SNM**
- [Pet97] David A. Peters. Classroom note: Optimum spring-damper design for mass impact. *SIAM Review*, 39(1):118–122, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/28154>; <http://www.siam.org/journals/sirev/>sirev391.htm.
- Peters:1997:CNO**
- [Pet98] T. E. Peterson. Eliminating Gibb's effect from separation of variables solutions. *SIAM Review*, 40(2):324–326, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/31622>.
- Peterson:1998:EGE**
- [PF96] [PG00] [PI88]
- Puterman:1996:MDP**
- Martin L. Puterman and Eugene A. Feinberg. Markov decision processes: Discrete stochastic dynamic programming. *SIAM Review*, 38(4):689–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pfleiderer:1992:NCM**
- Steven J. Pfleiderer. Numerical control: Making a new technology (J. Francis Reintjes). *SIAM Review*, 34(3):517–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pierce:2000:ARS**
- Niles A. Pierce and Michael B. Giles. Adjoint recovery of superconvergent functionals from PDE approximations. *SIAM Review*, 42(2):247–264, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/34942>.
- Platkowski:1988:DVM**
- Tadeusz Płatkowski and Reinhard Illner. Discrete velocity models of the Boltzmann equation: A survey on the mathematical aspects of the theory. *SIAM Review*, 30(2):213–255, June 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Picard:1990:NEE</div> <p>[Pic90] Rainer H. Picard. Nonlinear evolution equations and applications (Gheorghe Morosanu). <i>SIAM Review</i>, 32(1):180–182, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Picard:1992:SEF</div> <p>[Pic92] Rainer Picard. Singular electromagnetic fields and sources (J. Van Bladel). <i>SIAM Review</i>, 34 (3):517–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Pimbley:1993:QTO</div> <p>[Pim93] Joe Pimbley. Quantum theory of the optical and electronic properties of semiconductors (H. Haug and Stephan W. Koch). <i>SIAM Review</i>, 35(4):676–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Pinkham:1992:ANR</div> <p>[Pin92] Roger Pinkham. Applied nonparametric regression (Wolfgang Hardle). <i>SIAM Review</i>, 34 (2):341–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Pipkin:1992:FDV</div> <p>[Pip92] Allen C. Pipkin. Fluid of dynamics of viscoelastic liquids (D. D. Joseph). <i>SIAM Review</i>, 34 (1):138–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Pitman:1990:ASS</div> <p>[Pit90] E. Bruce Pitman. Analysis of skeletal structural systems in the elastic and elastic-plastic range (Adam Borkowski). <i>SIAM Review</i>, 32(4):702–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Pitman:1991:NMC</div> <p>[Pit91] E. Bruce Pitman. Numerical methods for conservation laws (Randall J. LeVeque). <i>SIAM Review</i>, 33(3):506–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Pitman:1993:CMB</div> <p>[Pit93] Jim Pitman. Continuous martingales and Brownian motion (Daniel Revuz and Marc Yor). <i>SIAM Review</i>, 35(3):532–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Pearson:1996:ADC</div> <p>[PLC96] J. M. Pearson, N. G. Lloyd, and C. J. Christopher. Algorithmic derivation of centre conditions. <i>SIAM Review</i>, 38(4):619–636, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://epubs.siam.org/sam-bin/dbq/article/28357.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Plant:1987:MSA</div> <p>[PM87] Richard E. Plant and Marc Mangel. Modeling and simula-</p> |
|---|--|

- tion in agricultural pest management. *SIAM Review*, 29(2):235–261, June 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Peretto:1995:IMN] P. Peretto, Christopher W. Myers, and Frank H. Guenther. An introduction to the modeling of neural networks. *SIAM Review*, 37(4):629–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Pol73]
- [PMG95] P. Peretto, Christopher W. Myers, and Frank H. Guenther. An introduction to the modeling of neural networks. *SIAM Review*, 37(4):629–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Anonymous:1996:MSC] C. Philipsen, S. Markvorsen, and W. Kliem. Modelling the stem curve of a palm in a strong wind. *SIAM Review*, 38(3):483–484, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Pol87]
- [Philipsen:1996:MSC] C. Philipsen, S. Markvorsen, and W. Kliem. Modelling the stem curve of a palm in a strong wind. *SIAM Review*, 38(3):483–484, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Pon83]
- [PMK96a] C. Philipsen, S. Markvorsen, and W. Kliem. Modelling the stem curve of a palm in a strong wind. *SIAM Review*, 38(3):483–484, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [PMK96b] C. Philipsen, S. Markvorsen, and W. Kliem. Modelling the stem curve of a palm in a strong wind. *SIAM Review*, 38(3):483–484, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/26382>. [Pon90]
- [Perelson:1999:MAH] Alan S. Perelson and Patrick W. Nelson. Mathematical analysis of HIV-1 dynamics in vivo. *SIAM Review*, 41(1):3–44, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 [Por92]
- (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33510>.
- Polak:1973:HSC**
- E. Polak. An historical survey of computational methods in optimal control. *SIAM Review*, 15(?):553–584, ???? 1973. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Polak:1987:MFN**
- E. Polak. On the mathematical foundations of nondifferentiable optimization in engineering design. *SIAM Review*, 29(1):21–89, March 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ponstein:1983:ASM**
- J. Ponstein. Applying some modern developments to choosing your own Lagrange multipliers. *SIAM Review*, 25(2):183–199, April 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ponce:1990:IVP**
- Gustavo Ponce. Initial-boundary value problems and the Navier-Stokes equations (Heinz-Otto Kreiss and Jens Lorenz). *SIAM Review*, 32(4):703–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Port:1992:CSS**
- Daniel Port. A course in simulation (Sheldon M. Ross). *SIAM*

- Review*, 34(2):342–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Powell:1986:CPA**
- [Pow86] M. J. D. Powell. Convergence properties of algorithms for nonlinear optimization. *SIAM Review*, 28(4):487–500, December 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pardalos:1986:MGC**
- [PR86] P. M. Pardalos and J. B. Rosen. Methods for global concave minimization: a bibliographic survey. *SIAM Review*, 28(3):367–379, September 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Padberg:1991:BCA**
- [PR91] Manfred Padberg and Giovanni Rinaldi. A branch-and-cut algorithm for the resolution of large-scale symmetric traveling salesman problems. *SIAM Review*, 33(1):60–100, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Pritchard:1993:MMR**
- [Pri93] W. G. Pritchard. Mathematical models of running. *SIAM Review*, 35(3):359–379, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Pro87] [Pro91] M. H. Protter. Can one hear the shape of a drum? revisited. *SIAM Review*, 29(2):185–197, June 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Protter:1987:COH**
- [Pro91] Philip Protter. Limit theorems for stochastic processes (J. Jacod and A. N. Shiryaev). *SIAM Review*, 33(2):332–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Protter:1991:LTS**
- [Pru00] Joseph M. Prusa. Hydrodynamics of a water rocket. *SIAM Review*, 42(4):719–726, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34822>.
- Prusa:2000:HWR**
- [PS00] Michel Pierre and Didier Schmitt. Blowup in reaction-diffusion systems with dissipation of mass. *SIAM Review*, 42(1):93–106, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35973>.
- Pierre:2000:BRD**
- [Pal96] J. Palis, F. Takens, and Roger L. Kraft. Hyperbolicity and sensitive chaotic dynamics at homo-
- Palis:1996:HSC**

- clinic bifurcations. *SIAM Review*, 38(2):348–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [PY98] **Pullin:1991:GRI**
- Jorge Pullin. General relativity. an introduction to the theory of the gravitational field (Hans Stephani; Martin Pollock and John Stewart, trans.; John Stewart, ed.). *SIAM Review*, 33(4):674–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [PY00] **Putten:1998:RSU**
- Maurice H. P. M. Van Putten. A Riemann sum upper bound in the Riemann-Lebesgue theorem. *SIAM Review*, 40(2):333–334, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31189>.
- [PZ81] **Peters:1979:III**
- G. Peters and J. H. Wilkinson. Inverse iteration, ill-conditioned equations and Newton’s method. *SIAM Review*, 21(3):339–360, July 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Petkovsek:1997:AB] **Petkovsek:1997:AB**
- Marko Petkovsek, Herbert S. Wilf, Doron Zeilberger, and Wolfram Koepf. $A = B$. *SIAM Review*, 39(3):538–??, September 1997. CODEN SIREAD.
- [PY98] **Pakdemirli:1998:STP**
- Mehmet Pakdemirli and Muhammet Yurusoy. Similarity transformations for partial differential equations. *SIAM Review*, 40(1):96–101, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31001>.
- [Palacian:2000:RPP] **Palacian:2000:RPP**
- Jesús Palacián and Patricia Yanguas. Reduction of polynomial planar Hamiltonians with quadratic unperturbed part. *SIAM Review*, 42(4):671–691, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36232>.
- [Pritchard:1981:SSI] **Pritchard:1981:SSI**
- A. J. Pritchard and J. Zabczyk. Stability and stabilizability of infinite-dimensional systems. *SIAM Review*, 23(1):25–52, January 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Qui87] **Quinn:1987:DID**
- Dennis W. Quinn. Determining the input for a dynamic system which is not completely controllable. *SIAM Review*, 29(4):621–623, December 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Rabinowitz:1968:ALP**
- [Rab68] Philip Rabinowitz. Applications of linear programming to numerical analysis. *SIAM Review*, 10 (??):121–159, ???? 1968. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rafter:2002:MCM**
- [RAB02] John A. Rafter, Martha L. Abell, and James P. Braselton. Multiple comparison methods for means. *SIAM Review*, 44(2):259–278, June 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/35723>.
- Rademacher:1990:PRI**
- [Rad90] F. J. Rademacher. Probabilistic reasoning in intelligent systems: Networks of plausible inference (Judea Pearl). *SIAM Review*, 32 (4):704–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ralston:1965:RSN**
- [Ral65] Anthony Ralston. Relative stability in the numerical solution of ordinary differential equations. *SIAM Review*, 7(??):114–125, ???? 1965. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ralston:1993:MAA**
- [Ral93] Anthony Ralston. Microcomputer algorithms, action from algebra (John P Killingbeck). *SIAM Review*, 35(3):533–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ramaswami:1988:NME**
- [Ram88] V. Ramaswami. Nonlinear matrix equations in applied probability — solution techniques and open problems. *SIAM Review*, 30(2):256–263, June 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ramsey:1989:BBS**
- [Ram89] L. Thomas Ramsey. Best bounds for the stability of DARMA filters with constant coefficients. *SIAM Review*, 31(3):365–400, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ramkrishna:1990:PMM**
- [Ram90a] D. Ramkrishna. Process modeling (Morton M. Denn). *SIAM Review*, 32(2):329–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ramm:1990:AC**
- [Ram90b] A. G. Ramm. Author's comment. *SIAM Review*, 32(1):192–193, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ramm:1993:SDT**
- [Ram93] A. G. Ramm. Short-wavelength diffraction theory (V. M. Babic and V. S. Buldyrev). *SIAM Review*, 35(1):161–??, March 1993.

- CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rangarajan:1991:VRA**
- [Ran91] Anand Rangarajan. Visual reconstruction (Andrew Blake and Andrew Zisserman). *SIAM Review*, 33(2):333–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Raoult:1994:EDE**
- [Rao94] A. Raoult. Elliptic differential equations (W. Hackbusch). *SIAM Review*, 36(3):518–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ratiu:1992:CMH**
- [Rat92] Tudor Ratiu. Convexity methods in Hamiltonian mechanics (Ivar Ekeland). *SIAM Review*, 34(2):343–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ratiu:1993:TMR**
- [Rat93] Tudor Ratiu. Tensors and manifolds (Robert H. Wasserman). *SIAM Review*, 35(2):334–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ratier:1997:SMG**
- [Rat97] Galaume Ratier. Of stable marriages and graphs, and strategy and polytopes. *SIAM Review*, 39(4):575–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Raz92] Tzvi Raz. The art of computer systems performance analysis: Techniques for experimental design, measurement, simulation, and modeling (Raj Jain). *SIAM Review*, 34(3):518–??, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Raz:1992:ACS**
- [RC95] P. Ribenboim and J. W. S. Casals. Catalan’s conjecture. *SIAM Review*, 37(1):116–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ribenboim:1995:CC**
- [Red80] G. W. Reddien. Projection methods for two-point boundary value problems. *SIAM Review*, 22(2):156–171, April 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Reddien:1980:PMT**
- [Red90] B. D. Reddy. Maximum and minimum principles: A unified approach, with applications (M. J. Sewell). *SIAM Review*, 32(1):182–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Reddy:1990:MMP**
- [Red93] J. N. Reddy. Mechanics of solids and fluids (Franz Ziegler). *SIAM Review*, 35(1):164–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Reddy:1993:MSF**

1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Reid:1978:HNM**
- [Rei78] William T. Reid. A historical note on the maximum principle. *SIAM Review*, 20(3):580–582, July 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Reid:1997:CNS**
- [Rei97] Russell M. Reid. Classroom note: Some eigenvalue properties of persymmetric matrices. *SIAM Review*, 39(2):313–316, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29480>.
- Renardy:1994:MTF**
- [Ren94] Michael Renardy. Mathematical topics in fluid mechanics (J. F. Rodrigues and A. Sequeira). *SIAM Review*, 36(1):139–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Renardy:1997:BRN**
- [Ren97] Michael Renardy. Book review: *Nonlinear Waves in Elastic Media*, by A. Kulikovskii and E. Sveshnikova. *SIAM Review*, 39(2):358, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Rez62] F. M. Reza. A bound for the derivative of positive real functions. *SIAM Review*, 4(1):40–42, ????, 1962. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Reza:1962:BDP**
- [RFS03] Jean-François Remacle, Joseph E. Flaherty, and Mark S. Shephard. An adaptive discontinuous Galerkin technique with an orthogonal basis applied to compressible flow problems. *SIAM Review*, 45(1):53–72, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38305>.
- Remacle:2003:ADG**
- [RH96] Paul R. Rosenbaum and Daniel F. Heitjan. Observational studies. *SIAM Review*, 38(3):529–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rosenbaum:1996:OS**
- [Ric89] S. Richardson. An identity arising in a problem of conformal mapping. *SIAM Review*, 31(3):484–485, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Richardson:1989:IAP**
- [Ric90a] S. Richardson. How not to tackle some singular perturbation problems. *SIAM Review*, 32(3):
- Richardson:1990:HTS**

- 471–473, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Richter:1990:FTG**
- [Ric90b] Donald K. Richter. Foundations of the theory of general equilibrium (Yves Balasko). *SIAM Review*, 32(2):330–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rivlin:1960:NSI**
- [Riv60] R. J. Rivlin. A note on smooth interpolation. *SIAM Review*, 2(1):27–30, ???? 1960. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rizzo:1994:BIS**
- [Riz94] Frank Rizzo. Boundary integral and singularity methods for linearized viscous flow (C. Pozrikidis). *SIAM Review*, 36(1):140–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rodino:1995:LPD**
- [RL95] Luigi Rodino and Otto Liess. Linear partial differential operators in Gevrey spaces. *SIAM Review*, 37(2):263–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Catherine:1981:ASW**
- [RM81] Catherine Garcia R. and A. A. Minzoni. An asymptotic solution for the wave equation in a time-dependent domain. *SIAM Review*, 23(1):1–9, January 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Regalia:1989:KPU**
- [RM89] Phillip A. Regalia and Sanjit K. Mitra. Kronecker products, unitary matrices and signal processing applications. *SIAM Review*, 31(4):586–613, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rude:1995:MCT**
- [RM95] U. Rude and Steve McCormick. Mathematical computational techniques for multilevel adaptive methods. *SIAM Review*, 37(2):266–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ross:1996:FLE**
- [RM96] Timothy Ross and Marialuisa N. McAllister. Fuzzy logic with engineering applications. *SIAM Review*, 38(1):174–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rifkin:2003:AMM**
- [RMT⁺03] Ryan Rifkin, Sayan Mukherjee, Pablo Tamayo, Sridhar Ramaswamy, Chen-Hsiang Yeang, Michael Angelo, Michael Reich, Tomaso Poggio, Eric S. Lander, Todd R. Golub, and Jill P. Mesirov. An analytical method for multiclass molecular cancer classification. *SIAM Review*, 45(2):137–157, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Review*, 45(4):706–723, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/41198>. [Roc92]
- Robinson:1991:CDN**
- [Rob91] Clark Robinson. Chaotic dynamics of nonlinear systems (S. Neil Rasband). *SIAM Review*, 33(2):334–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Roc92]
- Robinson:1992:CBD**
- [Rob92] Clark Robinson. Chaotic behavior of deterministic dissipative systems (Milos Marek and Igor Schreiber). *SIAM Review*, 34(4):680–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Roc93]
- Robertson:1994:CMC**
- [Rob94a] J. B. Robertson. Continuous-time Markov chains (W. J. Anderson). *SIAM Review*, 36(2):316–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Rog83]
- Robinson:1994:PVC**
- [Rob94b] F. N. H. Robinson. Poynting's vector. comments on a recent paper by C. Jeffries: “A new conservation law for classical electrodynamics” [SIAM Rev. 34 (1992), no. 3, 386–405 and MR 93i:78005]. With a reply by Jeffries. *SIAM Review*, 36(4):633–637, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Rog94]
- Rochberg:1992:WSI**
- (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25039.htm>. Richard Rochberg. Wavelets and singular integrals on curves and surfaces (Guy David). *SIAM Review*, 34(4):681–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Rockafellar:1993:LMO]
- Rockafellar:1993:LMO**
- R. Tyrrell Rockafellar. Lagrange multipliers and optimality. *SIAM Review*, 35(2):183–238, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Rogers:1983:LRP]
- Rogers:1983:LRP**
- Joseph W. Rogers. Locations of roots of polynomials. *SIAM Review*, 25(3):327–342, July 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Rogers:1994:MPC]
- Rogers:1994:MPC**
- R. C. Rogers. Mathematical problems of classical nonlinear electromagnetic theory (Frederick Bloom). *SIAM Review*, 36(2):317–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Roos:1964:NGD]
- Roos:1964:NGD**
- B. W. Roos. Note on generalized dynamical systems. *SIAM Review*, 6(?):269–274, ??? 1964.

- CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rosser:1967:RKA**
- [Ros67] J. Barkley Rosser. A Runge-Kutta for all seasons. *SIAM Review*, 9(?):417–452, ???? 1967. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rosenberg:1969:RDG**
- [Ros69] Milton Rosenberg. Range decomposition and generalized inverse of nonnegative Hermitian matrices. *SIAM Review*, 11 (??:568–571, ???? 1969. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rosenthal:1995:CRM**
- [Ros95] Jeffrey S. Rosenthal. Convergence rates for Markov chains. *SIAM Review*, 37(3):387–405, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/26674.htm>.
- Rothblum:1981:ESM**
- [Rot81] Uriel G. Rothblum. Expansions of sums of matrix powers. *SIAM Review*, 23(2):143–164, April 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Roussel:1997:CNA**
- [Rou97] Marc R. Roussel. Classroom note: An analytic center manifold for a simple epidemiological model. *SIAM Review*, 39(1):106–109, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29303>; <http://www.siam.org/journals/sirev/>; [sirev391.htm](http://www.siam.org/journals/sirev/sirev391.htm).
- Roxin:1990:OPC**
- [Rox90] Emilio O. Roxin. Optimal periodic control (Fritz Colonius). *SIAM Review*, 32(2):331–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Roxin:1992:SFD**
- [Rox92] Emilio O. Roxin. Stability of functional differential equations (V. B. Kolmanovskii and V. R. Nosov). *SIAM Review*, 34(4):682–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Roy:1991:IPQ**
- [Roy91] Dilip N. Ghosh Roy. Inverse problems in quantum scattering theory (K. Chadan and P. C. Sabatier). *SIAM Review*, 33 (2):302–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Roysam:1993:CVH**
- [Roy93] Badrinath Roysam. Computational vision (Harry Wechsler). *SIAM Review*, 35(1):165–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Rousseau:1995:PS**
- [RR95] Cecil C. Rousseau and Otto G. Ruehr. Problems and solutions. *SIAM Review*, 37(2):235–250, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Rorres:1997:CNF**
- [RR97a] Chris Rorres and David Gilman Romano. Classroom note: Finding the center of a circular starting line in an ancient Greek stadium. *SIAM Review*, 39(4):745–754, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30572>.
- Rousseau:1997:PSa**
- [RR97b] Cecil C. Rousseau and Otto G. Ruehr. Problems and solutions. *SIAM Review*, 39(1):123–141, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97000>.
- Rousseau:1997:PSb**
- [RR97c] Cecil C. Rousseau and Otto G. Ruehr. Problems and solutions. *SIAM Review*, 39(2):317–332, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97002>.
- Rousseau:1997:PSc**
- [RR97d] Cecil C. Rousseau and Otto G. Ruehr. Problems and solu-
- tions. *SIAM Review*, 39(3):514–527, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97004>.
- Rousseau:1997:PSd**
- [RR97e] Cecil C. Rousseau and Otto G. Ruehr. Problems and solutions. *SIAM Review*, 39(4):761–789, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97006>.
- Rousseau:1998:PSc**
- [RR98] Cecil C. Rousseau and Otto G. Ruehr. Problems and solutions. *SIAM Review*, 40(3):710–731, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97012>.
- Rubinstein:1995:PDE**
- [RRG95] I. Rubinstein, L. Rubinstein, and Ronald B. Guenther. Partial differential equations in classical mathematical physics. *SIAM Review*, 37(1):123–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Renardy:1995:IPD**
- [RRK95] M. Renardy, R. C. Rogers, and Philip Korman. An introduction to partial differential equations. *SIAM Review*, 37(3):

- 469–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ruk93]
- Reidys:2002:CL**
- [RS02] Christian M. Reidys and Peter F. Stadler. Combinatorial landscapes. *SIAM Review*, 44(1):3–54, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/39595>. [Rum99]
- Roos:1997:NMS**
- [RSTK97] H-G Roos, M. Stynes, L. Tobiska, and R. Bruce Kellogg. Numerical methods for singularly perturbed differential equations. *SIAM Review*, 39(3):535–??, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Run91]
- Renardy:1997:SEU**
- [RT97] Michael Renardy and Robert E. Terrell. Solutions: Existence and uniqueness for a boundary value problem (problem 96-2) (Ricardo Fazio). *SIAM Review*, 39(1):136–138, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ruo90]
- Rude:1997:BRS**
- [Rüd97] Ulrich Rüde. Book review: The Splitting Extrapolation Method, by C. B. Liem and T. Lü and T. M. Shih. *SIAM Review*, 39(1):161–162, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ruo91]
- Rukhin:1993:BEE**
- Andrew Rukhin. Bayesian estimation and experimental design in linear regression models (Juergen Pilz). *SIAM Review*, 35(1):166–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Rump:1999:ICM]
- Siegfried M. Rump. Ill-conditioned matrices are componentwise near to singularity. *SIAM Review*, 41(1):102–112, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32321>. [Rundle:1991:PES]
- John B. Rundle. Principles of earthquake source mechanics (B. V. Kostrov and Shamita Das). *SIAM Review*, 33(2):335–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ruohonen:1990:NIM]
- Matti Ruohonen. Non-life insurance mathematics (Erwin Straub). *SIAM Review*, 32(1):184–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). [Ruohonen:1991:ART]
- Matti Ruohonen. Aspects of risk theory (Jan Grandell). *SIAM Review*, 33(4):688–??, December 1991. CODEN SIREAD.

- ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ruohonen:1992:ERE**
- [Ruo92] Matti Ruohonen. Engineering risks: Evaluation and valuation (Ulrich Hauptmanns and Wolfgang Werner). *SIAM Review*, 34(2):345–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Russell:1978:CST**
- [Rus78] David L. Russell. Controllability and stabilizability theory for linear partial differential equations: recent progress and open questions. *SIAM Review*, 20(4):639–739, October 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Russell:1990:CDT**
- [Rus90] R. D. Russell. Continuous decoupling transformations for linear boundary value problems (P. M. van Loon). *SIAM Review*, 32(4):707–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ruhe:1980:ASN**
- [RW80] Axel Ruhe and Per Åke Wedin. Algorithms for separable nonlinear least squares problems. *SIAM Review*, 22(3):318–337, July 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Redner:1984:MDM**
- [RW84] Richard A. Redner and Homer F. Walker. Mixture densities, maximum likelihood and the EM algorithm. *SIAM Review*, 26(2):195–239, April 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Robinson:1995:DSS**
- [RW95] Clark Robinson and Russell Walker. Dynamical systems: Stability, dynamics, and chaos. *SIAM Review*, 37(4):639–??, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Saari:1995:CEA**
- [Saa95] Donald G. Saari. A chaotic exploration of aggregation paradoxes. *SIAM Review*, 37(1):37–52, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25849.htm>.
- Sahay:1995:SHR**
- [Sah95] Pratap N. Sahay. Spherical harmonics representation of an inhomogeneous plane wave. *SIAM Review*, 37(3):436–438, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/27320.htm>.
- Sharir:1996:DST**
- [SAH96] Micha Sharir, Pankaj K. Agarwal, and Peter Hajnal. Davenport-Schinzel sequences and their geometric applications. *SIAM Review*, 38(4):689–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Saigal:1991:NCM</div> <p>[Sai91] Romesh Saigal. Numerical continuation methods, an introduction (Eugene Allgower and Kurt Georg). <i>SIAM Review</i>, 33(4):675–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Saniee:1987:NOW</div> <p>[San87] Iraj Saniee. A note on optimal waiting strategies at bus stops. <i>SIAM Review</i>, 29(4):625–629, December 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Savage:1997:SCG</div> <p>[Sav97] Carla Savage. A survey of combinatorial Gray codes. <i>SIAM Review</i>, 39(4):605–629, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/29527. See note [Naa01].</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sanchez:1998:CCL</div> <p>[SB98a] Angel Sánchez and A. R. Bishop. Collective coordinates and length-scale competition in spatially inhomogeneous soliton-bearing equations. <i>SIAM Review</i>, 40(3):579–615, September 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/31741.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Sauren:1998:DQM</div> <p>[SB98b] M. Sauren and H. M. Bücker. On deriving the quasi-minimal residual method. <i>SIAM Review</i>, 40(4):922–926, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/31936.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Smith:1998:DDP</div> <p>[SBGP98] Barry F. Smith, Petter E. Bjorstad, William D. Gropp, and Joseph E. Pasciak. Domain decomposition: Parallel multilevel methods for elliptic partial differential equations. <i>SIAM Review</i>, 40(1):169–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sarlet:1981:GNT</div> <p>[SC81] Willy Sarlet and Frans Cantrijn. Generalizations of Noether's theorem in classical mechanics. <i>SIAM Review</i>, 23(4):467–494, October 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Schoenfeld:1962:IT</div> <p>[Sch62] L. Schoenfeld. On integrals of the type $\int_0^\infty f(x) \log \left \frac{x+1}{x-1} \right dx$. <i>SIAM Review</i>, 4(1):154–157, ????. 1962. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). A remark on a previous paper, SIAM Review 4, 147 (1962).</p> |
|---|---|

- Schuss:1980:SPM**
- [Sch80] Zeev Schuss. Singular perturbation methods in stochastic differential equations of mathematical physics. *SIAM Review*, 22(2):119–155, April 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Schwarz:1988:SDE**
- [Sch88] Fritz Schwarz. Symmetries of differential equations: from Sophus Lie to computer algebra. *SIAM Review*, 30(3):450–481, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Schumaker:1991:SMO**
- [Sch91] Larry L. Schumaker. Spline models for observational data (Grace Wahba). *SIAM Review*, 33(3):502–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Schmid:1992:SKQ**
- [Sch92] Rudolf Schmid. Strings, knots, and quantum groups: A glimpse at three 1990 fields medalists. *SIAM Review*, 34(3):406–425, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Schattschneider:1993:CSI**
- [Sch93a] Doris Schattschneider. Crystalline symmetries: An informal mathematical introduction (Marjorie Senechal). *SIAM Review*, 35(2):335–??, June 1993.
- Schreiber:1993:VLS**
- [Sch93b] Robert Schreiber. Very large scale computation in the 21st century (Jill P Mesirov, ed.). *SIAM Review*, 35(3):534–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Schmidt:1994:SPT**
- [Sch94] D. S. Schmidt. Scientific Programmer’s Toolkit — Turbo Pascal edition (M. H. Bellby, R. D. Harding, and M. R. Manning). *SIAM Review*, 36(2):319–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Schnabel:1999:Ea**
- [Sch99a] Bobby Schnabel. Education. *SIAM Review*, 41(1):133–134, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97022>.
- Schnabel:1999:Eb**
- [Sch99b] Bobby Schnabel. Education. *SIAM Review*, 41(2):333, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97027>.

- Schnabel:1999:Ec**
- [Sch99c] Bobby Schnabel. Education. *SIAM Review*, 41(3):575, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97032>.
- Schnabel:1999:Ed**
- [Sch99d] Bobby Schnabel. Education. *SIAM Review*, 41(4):793, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97038>.
- Schnabel:2000:Ea**
- [Sch00a] Bobby Schnabel. Education. *SIAM Review*, 42(1):107, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97044>.
- Schnabel:2000:Eb**
- [Sch00b] Bobby Schnabel. Education. *SIAM Review*, 42(2):295, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97048>.
- Schnabel:2000:Ec**
- [Sch00c] Bobby Schnabel. Education. *SIAM Review*, 42(3):485, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- URL <http://pubs.siam.org/sam-bin/dbq/article/97054>.
- Schnabel:2000:Ed**
- [Sch00d] Bobby Schnabel. Education. *SIAM Review*, 42(4):717, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97059>.
- Schabel:2001:E**
- [Sch01a] Bobby Schabel. Education. *SIAM Review*, 43(2):345, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97069>.
- Schnabel:2001:Ea**
- [Sch01b] Bobby Schnabel. Education. *SIAM Review*, 43(1):161, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97064>.
- Schnabel:2001:Eb**
- [Sch01c] Bobby Schnabel. Education. *SIAM Review*, 43(3):523, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97074>.
- Schnabel:2001:Ec**
- [Sch01d] Bobby Schnabel. Education. *SIAM Review*, 43(4):677, December 2001. CODEN SIREAD.

- ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97079>.
- Schnabel:2002:Ea**
- [Sch02a] Bobby Schnabel. Education. *SIAM Review*, 44(1):109, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97084>.
- Schnabel:2002:Eb**
- [Sch02b] Bobby Schnabel. Education. *SIAM Review*, 44(2):257, June 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97089>.
- Schnabel:2002:Ec**
- [Sch02c] Bobby Schnabel. Education. *SIAM Review*, 44(3):455, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97094>.
- Schnabel:2002:Ed**
- [Sch02d] Bobby Schnabel. Education. *SIAM Review*, 44(4):659, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97099>.
- Schnabel:2003:Ea**
- [Sch03a] Bobby Schnabel. Education. *SIAM Review*, 45(1):93, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97104>.
- Schnabel:2003:Eb**
- [Sch03b] Bobby Schnabel. Education. *SIAM Review*, 45(2):325, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97109>.
- Schnabel:2003:Ec**
- [Sch03c] Bobby Schnabel. Education. *SIAM Review*, 45(3):541, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97114>.
- Schnabel:2003:E**
- [Sch03d] Bobby Schnabel. Education. *SIAM Review*, 45(4):785, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97119>.
- Scott:1959:ESS**
- [Sco59] E. J. Scott. An eigenfunction series solution of a certain hyperbolic partial differential equation. *SIAM Review*, 1(1):160–166, ???? 1959. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Scott:1990:SIP**
- [Sco90] Alwyn Scott. Solitons: An introduction (P. G. Drazin and R. S. Johnson). *SIAM Review*, 32(1):185–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Scott:1991:AAC**
- [Sco91] Alwyn Scott. Asymptotic analysis of a class of perturbed Korteweg-de Vries initial value problems (F. DeKerf). *SIAM Review*, 33(2):337–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Scott:1992:MMR**
- [Sco92] Peter D. Scott. Minimalist mobile robotics. A colony-style architecture for an artificial creature (Jonathan H. Connell). *SIAM Review*, 34(2):329–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Scott:1994:HNA**
- [Sco94] L. Ridgway Scott. Handbook of numerical analysis, volume II. finite element methods (part I) (P. G. Ciarlet and J. L. Lions, eds.). *SIAM Review*, 36(2):320–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Sanz-Serna:1995:NHP**
- [SCS95] J. M. Sanz-Serna, M. P. Calvo, and Robert D. Skeel. Numerical Hamiltonian problems. *SIAM Review*, 37(2):277–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Sleijpen:2000:JDI**
- [SdV00] Gerard L. G. Sleijpen and Henk A. Van der Vorst. A Jacobi-Davidson iteration method for linear eigenvalue problems. *SIAM Review*, 42(2):267–293, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36308>.
- Sedaghat:1991:MSA**
- [Sed91] Hassan Sedaghat. Measuring the speed and altitude of an aircraft using similar triangles. *SIAM Review*, 33(4):650–654, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Sedaghat:1996:GPF**
- [Sed96] Hassan Sedaghat. Geometric properties of factorable planar systems of differential equations. *SIAM Review*, 38(4):660–665, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29302>.
- Sedaghat:2002:COC**
- [Sed02] Hassan Sedaghat. Convergence, oscillations, and chaos in a discrete model of combat. *SIAM Review*, 44(1):74–92, March 2002. CODEN SIREAD.

- [Sel94] M. Senechal. The visual mind (M. Emmer, ed.). *SIAM Review*, 36(4):676–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Senechal:1994:VMM**
- [Ser94] Richard Serfozo. Stationary stochastic models (A. Brandt, P. Franken, and B. Lisek). *SIAM Review*, 36(1):141–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Serfozo:1994:SSM**
- [Sel93] George Seifert. Oscillation theory of delay differential equations (I. gyori and G. ladas) and oscillation theory of neutral differential equations with delay (D. D. Bainov and D. P. Mishev). *SIAM Review*, 35(4):677–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Seifert:1993:OTD**
- [SF97] [Set77] [Sethi:1977:DOC]
- [Sel93] [Set99] [Sethian:1999:FMM]
- [Sel94] [Seydel:1993:AMD]
- [Sel94] [Sezer:1990:LSS]
- [Ser94] [Steele:1997:PTC]
- [SF97] [Sethi:1977:DOC]
- Suresh P. Sethi. Dynamic optimal control models in advertising: A survey. *SIAM Review*, 19(??):685–725, ????, 1977. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- J. A. Sethian. Fast marching methods. *SIAM Review*, 41(2):199–235, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34705>.
- Rudiger Seydel. The art of modeling dynamic systems: Forecasting for chaos, randomness, and determinism (Foster Morrison). *SIAM Review*, 35(1):167–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- M. Erol Sezer. Large scale systems: Decentralization, structure constraints and fixed modes (L. Trave, A. Titli, and A. Tarras). *SIAM Review*, 32(4):708–??, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- J. Michael Steele and Alan Frieze. Probability theory and combinatorial optimization.

- SIAM Review*, 39(4):793–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Shepard:1999:ODR**
- [SFOM99] David M. Shepard, Michael C. Ferris, Gustavo H. Olivera, and T. Rockwell Mackie. Optimizing the delivery of radiation therapy to cancer patients. *SIAM Review*, 41(4):721–744, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34203>.
- Smith:1987:EMV**
- [SFS87] David A. Smith, William F. Ford, and Avram Sidi. Extrapolation methods for vector sequences. *SIAM Review*, 29(2):199–233, June 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See correction [SFS88].
- Smith:1988:CTM**
- [SFS88] David A. Smith, William F. Ford, and Avram Sidi. Correction to: “Extrapolation methods for vector sequences”. *SIAM Review*, 30(4):623–624, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See [SFS87].
- Shampine:1979:UVS**
- [SG79] L. F. Shampine and C. W. Gear. A user’s view of solving stiff ordinary differential equations.
- Shampine:1995:NSO**
- SIAM Review*, 21(1):1–17, January 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Samarskii:1996:BQP**
- [SGK⁺96] L. F. Shampine and I. Gladwell. Numerical solution of ordinary differential equations. *SIAM Review*, 37(1):122–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Stuart:1994:MPN**
- A. A. Samarskii, V. A. Galaktionov, S. P. Kurdyumov, A. P. Mikhailov, and Howard Levine. Blow-up in quasilinear parabolic equations. *SIAM Review*, 38(4):692–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Shasha:1995:CPC**
- A. M. Stuart and A. R. Humphries. Model problems in numerical stability theory for initial value problems. *SIAM Review*, 36(2):226–257, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/24014.htm>.
- Dennis Shasha and Glen Richard Hall. Codes, puzzles, and conspiracy. *SIAM Review*, 37(1):127–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Sun:1996:IPG</div> <p>[SH96] Ne-Zheng Sun and Mary C. Hill. Inverse problems in groundwater modeling. <i>SIAM Review</i>, 38(2):342–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sharma:1972:SPN</div> <p>[Sha72] A. Sharma. Some poised and nonpoised problems of interpolation. <i>SIAM Review</i>, 14(??): 129–151, ??? 1972. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shaffer:1990:MRP</div> <p>[Sha90] Dorothy Browne Shaffer. Maximum range of a projectile in a vacuum revisited. <i>SIAM Review</i>, 32(2):289–293, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shanmugam:1992:PPT</div> <p>[Sha92] Ramalingam Shanmugam. Point processes and their statistical inference (Alan F Karr). <i>SIAM Review</i>, 34(4):684–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shampine:1997:BRN</div> <p>[Sha97a] Lawrence F. Shampine. Book review: <i>Numerical Methods for Differential Equations: A Computational Approach</i>, by John R. Dormand. <i>SIAM Review</i>, 39(2):358–360, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Shanmugam:1997:BRA</div> <p>[Sha97b] Ramalingam Shanmugam. Book review: Asymptotic Efficiency of Nonparametric Tests, by Yakov Nikitin. <i>SIAM Review</i>, 39(1): 162–163, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sherman:1991:MMT</div> <p>[She91] Arthur Sherman. Mathematical modelling. A tool for problem solving in engineering, physical, biological and social sciences (D. N. P. Murthy, N. W. Page, and E. Y. Rodin). <i>SIAM Review</i>, 33(4):681–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shippy:1993:BIA</div> <p>[Shi93] David J. Shippy. The boundary integral approach to static and dynamic contact problems (H. Antes and P. D. Panagiotopoulos). <i>SIAM Review</i>, 35(4):678–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shields:1994:PRP</div> <p>[Shi94] Paul C. Shields. Probability, random processes, and ergodic properties (Robert M. Gray). <i>SIAM Review</i>, 36(1):143–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shirron:1997:BRH</div> <p>[Shi97] Joseph J. Shirron. Book review: Handbook of Radiation</p> |
|--|---|

- and Scattering of Waves, by Adrianus T. de Hoop. *SIAM Review*, 39(1):163–164, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Sho99] Peter W. Shor. Polynomial-time algorithms for prime factorization and discrete logarithms on a quantum computer. *SIAM Review*, 41(2):303–332, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34701>. **Shor:1999:PTA**
- [Sik92] [Sikorski:1992:HNA] K. Sikorski. Handbook of numerical analysis. vol. 1: Finite difference methods (part 1) and solution of equations in \mathbb{R}^n (part 1) (P. G. Ciarlet and J. L. Lions, eds.). *SIAM Review*, 34(1):143–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Shu90] Martin Shubik. Stability and perfection of Nash equilibria (Eric van Damme). *SIAM Review*, 32(2):332–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Shubik:1990:SPN**
- [Sim93] [Simo:1993:MHF] J. C. Simo. Mixed and hybrid finite element methods (Franco Brezzi and Michel Fortin). *SIAM Review*, 35(2):336–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [SIA01] [Simmonds:1996:AFI] SIAM Working Group on CSE Education. Graduate education in computational science and engineering. *SIAM Review*, 43(1):163–177, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37974>. **Education:2001:GEC**
- [Sin88] [Singpurwalla:1988:FIR] J. G. Simmonds. Analytic functions, ideal fluid flow, and Bernoulli’s equation. *SIAM Review*, 38(4):666–667, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29300>. **Singpurwalla:1988:FIR**
- [Sie90] David Siegmund. Probability approximations via the Poisson clumping heuristic (D. Al-

- | | |
|--|---|
| <p>Singpurwalla:1989:UPS</p> <p>[Sin89] Nozer D. Singpurwalla. A unifying perspective on statistical modeling. <i>SIAM Review</i>, 31(4): 560–564, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <p>Singpurwalla:1993:SAR</p> <p>[Sin93a] Nozer D. Singpurwalla. Statistical analysis of reliability data (M. J. Crowder, A. C. Kimber, R. L. Smith, T. J. Sweeting). <i>SIAM Review</i>, 35(3):535–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <p>Sinha:1993:MSS</p> <p>[Sin93b] Bikas Kumar Sinha. Minimax solutions in sampling from finite populations (Siegfried Gabler). <i>SIAM Review</i>, 35(2):339–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <p>Sivaganesan:1994:IBB</p> <p>[Siv94a] S. Sivaganesan. An introduction to the bootstrap (Bradley Efron and Robert J Tibshirani). <i>SIAM Review</i>, 36(4):677–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <p>Sivaganesan:1994:PII</p> <p>[Siv94b] S. Sivaganesan. Predictive inference: an introduction (Seymour Geisser). <i>SIAM Review</i>, 36(3): 519–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <p>Sloan:1996:LMM</p> <p>[SJG96] I. H. Sloan, S. Joe, and Alan Genz. Lattice methods for multiple integration. <i>SIAM Review</i>, 38(1):165–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <p>Slepian:1983:SCF</p> <p>[Sle83] David Slepian. Some comments on Fourier analysis, uncertainty and modeling. <i>SIAM Review</i>, 25(3):379–393, July 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <p>Sleeman:1992:TEP</p> <p>[Sle92] B. D. Sleeman. Two-parameter eigenvalue problems in ordinary differential equations (M. Faierman). <i>SIAM Review</i>, 34(4): 684–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <p>Sleeman:1994:IAE</p> <p>[Sle94] B. D. Sleeman. Inverse acoustic and electromagnetic scattering theory (D Colton and R. Kress). <i>SIAM Review</i>, 36(3): 520–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <p>Sloan:1993:RNG</p> <p>[Slo93] Ian H. Sloan. Random number generation and quasi-Monte Carlo methods (H. Niederreiter). <i>SIAM Review</i>, 35(4):680–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> |
|--|---|

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Sloan:1997:BRI</div> <p>[Slo97] Ian H. Sloan. Book review: <i>Integral Equations: Theory and Numerical Treatment</i>, by Wolfgang Hackbusch. <i>SIAM Review</i>, 39(2):360, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Spanier:1994:QRM</div> <p>[SM94] Jerome Spanier and Earl H. Maize. Quasi-random methods for estimating integrals using relatively small samples. <i>SIAM Review</i>, 36(1):18–44, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/22673.htm.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Schutter:2002:QDS</div> <p>[SM02] Bart De Schutter and Bart De Moor. The QR decomposition and the singular value decomposition in the symmetrized max-plus algebra revisited. <i>SIAM Review</i>, 44(3):417–454, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/40396.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Smale:1990:SRF</div> <p>[Sma90] Steve Smale. Some remarks on the foundations of numerical analysis. <i>SIAM Review</i>, 32(2):211–220, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Smi87</div> <p>[Smi87] Donald R. Smith. Decoupling and order reduction via the Riccati transformation. <i>SIAM Review</i>, 29(1):91–113, March 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Smith:1987:DOR</div> <p>[Smi88] Hal L. Smith. Systems of ordinary differential equations which generate an order preserving flow. A survey of results. <i>SIAM Review</i>, 30(1):87–113, March 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Smith:1988:SOD</div> <p>[Smi97] S. H. Smith. Classroom note: Time-dependent Poiseuille flow. <i>SIAM Review</i>, 39(3):511–513, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/30113.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Smoller:1991:ALP</div> <p>[Smo91] Joel A. Smoller. The analysis of linear partial differential operators, I (Lars Hormander). <i>SIAM Review</i>, 33(2):338–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Seshadri:1996:IGD</div> <p>[SN96] V. Seshadri and H. N. Nagaraja. The inverse Gaussian distribution: A case study in exponential families. <i>SIAM Review</i>,</p> |
|---|---|

- 38(2):350–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Snyder:1997:CNS**
- [Sny97] Johnny Snyder. Classroom note: Stability considerations for numerical methods. *SIAM Review*, 39(4):755–760, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/30590>.
- Sommese:1993:IVA**
- [Som93] Andrew J. Sommese. Ideals, varieties, and algorithms—an introduction to computational algebraic geometry and commutative algebra (D. Cox, J. Little, and D. O’Shea). *SIAM Review*, 35(4):682–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Sun:2001:MVF**
- [SP01] Xiaobai Sun and Nikos P. Pitsianis. A matrix version of the fast multipole method. *SIAM Review*, 43(2):289–300, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/37083>.
- Spath:1997:BRH**
- [Spä97] Helmut Späth. Book review: *Handbook on Splines for the User*, by Eugene V. Shikin and Alexander I. Plis. *SIAM Review*, 39(2):360–362, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- SPBC96**
- [Spi91] W. R. Spillers. An introduction to the history of structural mechanics part I: Statics and resistance of solids, part II: Vaulted structures and elastic systems (Edoardo Benvenuto). *SIAM Review*, 33(4):679–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Sloane:1996:EIS**
- N. J. A. Sloane, Simon Plouffe, J. M. Borwein, and R. M. Corless. The encyclopedia of integer sequences. *SIAM Review*, 38(2):333–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Spillers:1991:IHS**
- W. R. Spillers. An introduction to the history of structural mechanics part I: Statics and resistance of solids, part II: Vaulted structures and elastic systems (Edoardo Benvenuto). *SIAM Review*, 33(4):679–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Seliktar:1994:FHW**
- Miriam Seliktar and Chris Rorres. The flow of hot water from a distant hot-water tank. *SIAM Review*, 36(3):474–479, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/25826.htm>.
- Shklyar:1998:CSO**
- Alexander Ya Shklyar and Michael Renardy. Complete second order linear differential equations in Hilbert spaces. *SIAM Review*, 40(1):175–??, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Shampine:1999:SID**
- [SRK99] Lawrence F. Shampine, Mark W. Reichelt, and Jacek A. Kierzenka. Solving index-1 DAEs in MATLAB and Simulink. *SIAM Review*, 41(3):538–552, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/33425>. [SS96]
- Saunders:1979:AGS**
- [SS79] B. David Saunders and Hans Schneider. Applications of the Gordan-Stiemke theorem in combinatorial matrix theory. *SIAM Review*, 21(4):528–541, October 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Scott:1988:GS**
- [SS88] Dan M. Scott and Gary J. Sherman. The great shootout. *SIAM Review*, 30(3):492–497, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Segel:1989:QSS**
- [SS89] Lee A. Segel and Marshall Slemrod. The quasi-steady-state assumption: a case study in perturbation. *SIAM Review*, 31(3):446–477, September 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Strogatz:1995:NDC**
- [SS95] Steven H. Strogatz and Douglas S. Shafer. Nonlinear dynamics and chaos: With applications to physics biology, chemistry, and engineering. *SIAM Review*, 37(2):280–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Straffin:1996:GTS**
- [SS96] Philip D. Straffin and Donald G. Saari. Game theory and strategy. *SIAM Review*, 38(4):698–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Shirvani:1998:SLD**
- [SS98] Mazi Shirvani and Joseph W. H. So. Solutions of linear differential algebraic equations. *SIAM Review*, 40(2):344–346, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31369>.
- Shaked:1995:SOT**
- [SST95] Moshe Shaked, J. George Shanthikumar, and Y. L. Tong. Stochastic orders and their applications. *SIAM Review*, 37(3):477–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Schrijver:1999:RLP**
- [SSW99] Alexander Schrijver, Paul Seymour, and Peter Winkler. The ring loading problem. *SIAM Review*, 41(4):777–791, December 1999. CODEN SIREAD.

- ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/35647>.
- Stone:1991:ESP**
- [ST91a] Richard E. Stone and Craig A. Tovey. Erratum: “The simplex and projective scaling algorithms as iteratively reweighted least squares methods”. *SIAM Review*, 33(3):461, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See [ST91b].
- Stone:1991:SPS**
- [ST91b] Richard E. Stone and Craig A. Tovey. The simplex and projective scaling algorithms as iteratively reweighted least squares methods. *SIAM Review*, 33 (2):220–237, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See erratum [?].
- Shapiro:1994:EPB**
- [ST94] Harold S. Shapiro and Max Tegmark. An elementary proof that the biharmonic Green function of an eccentric ellipse changes sign. *SIAM Review*, 36 (1):99–101, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/24859.htm>.
- Squire:1998:UCV**
- [ST98] William Squire and George Trapp. Using complex variables to estimate derivatives of real functions. *SIAM Review*, 40 (1):110–112, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/31241>.
- Stark:1990:MMI**
- Henry Stark. Morphological methods in image and signal processing (Charles R. Giardina and Edward R. Dougherty). *SIAM Review*, 32(2):333–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Stark:1992:NSD**
- Jaroslav Stark. Non-linear series: A dynamical system approach (Howell Tong). *SIAM Review*, 34(1):149–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Stelson:1961:RCL**
- H. Stelson. On the reducibility of certain linear differential operators. *SIAM Review*, 3(1):144–151, ??? 1961. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Stewart:1973:EPB**
- G. W. Stewart. Error and perturbation bounds for subspaces associated with certain eigenvalue problems. *SIAM Review*, 15 (??):727–764, ??? 1973. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Stenger:1981:NMB</div> <p>[Ste81a] Frank Stenger. Numerical methods based on Whittaker cardinal, or sinc functions. <i>SIAM Review</i>, 23(2):165–224, April 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Stewartson:1981:DP</div> <p>[Ste81b] Keith Stewartson. d'Alembert's paradox. <i>SIAM Review</i>, 23(3):308–343, July 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Steutel:1985:PPB</div> <p>[Ste85] F. W. Steutel. Poisson processes and a Bessel function integral. <i>SIAM Review</i>, 27(1):73–77, March 1985. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Stenger:1990:RAR</div> <p>[Ste90a] Frank Stenger. Rational approximation of real functions (P. P. Petrushev and V. I. Popov). <i>SIAM Review</i>, 32(1):187–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Stewart:1990:SPT</div> <p>[Ste90b] G. W. Stewart. Stochastic perturbation theory. <i>SIAM Review</i>, 32(4):579–610, December 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Stenger:1993:SMQ</div> <p>[Ste93a] Frank Stenger. Sinc methods for quadrature and differential equations (J Lund and K. L. Bowers). <i>SIAM Review</i>, 35(4):682–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Stewart:1993:EHS</div> <p>[Ste93b] G. W. Stewart. On the early history of the singular value decomposition. <i>SIAM Review</i>, 35(4):551–566, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Stewart:1993:TMA</div> <p>[Ste93c] G. W. Stewart. Topics in matrix analysis (Roger A. Horn and Charles R Johnson). <i>SIAM Review</i>, 35(1):168–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Stewart:1994:SCS</div> <p>[Ste94] Ian Stewart. Symmetry in chaos—a search for pattern in mathematics, art, and nature (Michael Field and Martin Golubitsky). <i>SIAM Review</i>, 36(1):145–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Stensholt:1996:CPV</div> <p>[Ste96] Eivind Stensholt. Circle pictograms for vote vectors. <i>SIAM Review</i>, 38(1):96–119, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200</p> |
|--|---|

- (electronic). URL <http://epubs.siam.org/27363.htm>.
- Stewart:1997:BRA**
- [Ste97] G. W. Stewart. Book review: Accuracy and Stability of Numerical Algorithms, by Nicholas J. Higham. *SIAM Review*, 39(1):164–166, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Stevenson:1998:ICS**
- [Ste98] D. E. Stevenson. Introducing computational science methods using parallax. *SIAM Review*, 40(1):81–86, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/30713>.
- Stewart:1999:RPE**
- [Ste99] Charles V. Stewart. Robust parameter estimation in computer vision. *SIAM Review*, 41(3):513–537, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/34580>.
- Stewart:2000:RBD**
- [Ste00] David E. Stewart. Rigid-body dynamics with friction and impact. *SIAM Review*, 42(1):3–39, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/36011>.
- [Str86] [Str88]
- Steinbach:2001:MRM**
- Marc C. Steinbach. Markowitz revisited: Mean-variance models in financial portfolio analysis. *SIAM Review*, 43(1):31–85, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/37665>.
- Strauss:1986:GCM**
- David Strauss. On a general class of models for interaction. *SIAM Review*, 28(4):513–527, December 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Strang:1988:FEE**
- Gilbert Strang. A framework for equilibrium equations. *SIAM Review*, 30(2):283–297, June 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Strang:1989:WDE**
- Gilbert Strang. Wavelets and dilation equations. A brief introduction. *SIAM Review*, 31(4):614–627, December 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Strang:1999:DCT**
- Gilbert Strang. The discrete cosine transform. *SIAM Review*, 41(1):135–147, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/33674>.

- Stuart:1986:TVF**
- [Stu86] J. T. Stuart. Taylor-vortex flow: a dynamical system. *SIAM Review*, 28(3):315–342, September 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Stuart:1989:NID**
- [Stu89] Andrew Stuart. Nonlinear instability in dissipative finite difference schemes. *SIAM Review*, 31(2):191–220, June 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Stuart:1990:CIN**
- [Stu90] J. T. Stuart. Chaos and integrability in nonlinear dynamics: An introduction (Michael Tabor); Hamiltonian system: Chaos and quantization (Alfredo M. Ozorio de Almeida); an introduction to chaotic dynamical systems (Robert L Devaney). *SIAM Review*, 32(1):188–190, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Stuart:1991:MTA**
- [Stu91] Jeffrey L. Stuart. Matrix theory and applications (Charles R. Johnson, ed.). *SIAM Review*, 33(3):511–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Sturmfels:1994:GBC**
- [Stu94] B. Sturmfels. Groebner bases — a computational approach to commutative algebra (Thomas Becker and Volker Weispfenning). *SIAM Review*, 36(2):322–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Sugimoto:1998:HRW**
- [Sug98] Takeshi Sugimoto. How to ride a wave: Mechanics of surfing. *SIAM Review*, 40(2):341–343, June 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31621>.
- Sulsky:1993:MDC**
- [Sul93] Deborah Sulsky. Multigrid and defect correction for the steady Navier-Stokes equations applications to aerodynamics (Barry Koren). *SIAM Review*, 35(2):340–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Suli:1997:BRT**
- [SüI97] Endre Süli. Book review: *Time Dependent Problems and Difference Methods*, by Bertil Gustafsson and Heinz-Otto Kreiss and Joseph Oliger. *SIAM Review*, 39(2):362–366, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Sethi:1995:SMP**
- [SV95] Suresh P. Sethi and Raymond G. Vickson. A survey of the maximum principles for optimal control problems with state constraints. *SIAM Review*, 37

- [SV98] Eduardo Sánchez-Velasco. A simple derivation of a result in electrostatics. *SIAM Review*, 40(4):915–917, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/32454>. **Sanchez-Velasco:1998:SDR**
- [SW79] Gabriella Salinetti and Roger J.-B. Wets. On the convergence of sequences of convex sets in finite dimensions. *SIAM Review*, 21(1):18–33, January 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Salinetti:1979:CSC**
- [SW80] G. Salinetti and R. Wets. Addendum: “On the convergence of convex sets in finite dimensions” [SIAM rev. **21** (1979), no. 1, 18–33 and MR 80h:52007]. *SIAM Review*, 22(1):86, January 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Salinetti:1980:ACC**
- [SW93a] Karl Sigman and Ronald W. Wolff. A review of regenerative processes. *SIAM Review*, 35(2):269–288, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Sigman:1993:RRP**
- [SW93b] Nozer D. Singpurwalla and Simon Wilson. The warranty problem: Its statistical and game theoretic aspects. *SIAM Review*, 35(1):17–42, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Singpurwalla:1993:WPS**
- [SWC96] Hal L. Smith, Paul Waltman, and J. M. Cushing. The theory of the chemostat: Dynamics of microbial competition. *SIAM Review*, 38(1):160–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Smith:1996:TCD**
- [SWD76] L. F. Shampine, H. A. Watts, and S. M. Davenport. Solving nonstiff ordinary differential equations — the state of the art. *SIAM Review*, 18(3):376–411, July 1976. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Shampine:1976:SNO**
- [SX96] V. V. Shaidurov and Jinchao Xu. Multigrid methods for finite elements. *SIAM Review*, 38(3):542–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). **Shaidurov:1996:MMF**
- [Sym92] P. S. Symonds. Introduction to optimization of structures (N. V. Banichuk). *SIAM Review*, 34(4): **Symonds:1992:IOS**

- 687–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Synowiec:1993:IHS**
- [Syn93] John A. Synowiec. Introduction to Hilbert spaces with applications (Lothenath Debnath and Piotr Mikusinski). *SIAM Review*, 35(2):341–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Saigal:1996:LPM**
- [SZ96] Romesh Saigal and Yin Zhang. Linear programming: A modern integrated analysis. *SIAM Review*, 38(4):711–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- TaAsan:1990:MSS**
- [Ta'90] Shlomo Ta'asan. Multigrid solution of the steady Euler equations (S. P. Spekreijse). *SIAM Review*, 32(1):190–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Taber:1997:BRF**
- [Tab97] Rod Taber. Book review: Fuzzy Logic for Business and Industry, by Earl D. Cox. *SIAM Review*, 39(1):166–168, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tadmor:1987:SAF**
- [Tad87] Eitan Tadmor. Stability analysis of finite difference, pseudospectral and Fourier-Galerkin approximations for time-dependent problems. *SIAM Review*, 29(4):525–555, December 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tadjbakhsh:1993:SSE**
- [Tad93] Iraj Tadjbakhsh. Strength of structural elements (Z. Brzosa, Z. Kaczkowski, J. Lipka, Z. Oleksiak, and M. Zyczkowski). *SIAM Review*, 35(2):342–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Lajos:1979:FPB**
- [Tak79] Lajos Takács. Fluctuation problems for Bernoulli trials. *SIAM Review*, 21(2):222–228, April 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tannenbaum:1993:OCR**
- [Tan93] Allen Tannenbaum. H^∞ -optimal control and related minimax design problems (Tamer Basar and Pierre Bernhard). *SIAM Review*, 35(3):538–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Taylor:1997:BRF**
- [Tay97] Michael E. Taylor. Book review: Fourier Integral Operators, by J. J. Duistermaat. *SIAM Review*, 39(1):169–171, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Troutt:1996:PVS</div> <p>[TE96] Marvin D. Troutt and Hussein H. Elsaid. The potential value of Saaty's eigenvector scaling method for short-term forecasting of currency exchange rates. <i>SIAM Review</i>, 38(4):650–654, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/25234.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">TeBeest:1997:CNN</div> <p>[TeB97] Kevin G. TeBeest. Classroom note: Numerical and analytical solutions of Volterra's population model. <i>SIAM Review</i>, 39(3):484–493, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/29485.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tenorio:2001:SRI</div> <p>[Ten01] Luis Tenorio. Statistical regularization of inverse problems. <i>SIAM Review</i>, 43(2):347–366, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/35823.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Terras:1982:NEH</div> <p>[Ter82] Audrey Terras. Non-Euclidean harmonic analysis. <i>SIAM Review</i>, 24(2):159–193, April 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Terman:1993:PWP</div> <p>[Ter93] David Terman. Patterns and waves (Peter Grindrod). <i>SIAM Review</i>, 35(4):683–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tewarson:1966:PFI</div> <p>[Tew66] R. P. Tewarson. On the product form of inverses of sparse matrices. <i>SIAM Review</i>, 8(??):336–342, ??? 1966. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Temam:1996:NEN</div> <p>[TF96] Roger Temam and R. Farwig. Navier-Stokes equations and nonlinear functional analysis. <i>SIAM Review</i>, 38(4):687–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Thornton:1996:CTI</div> <p>[TH96] Barry S. Thornton and W. T. Hung. Catastrophe theory implications for rightsizing when planning interim solutions for progressing from a partial mainframe to client-server distributed databases: 3D previewing of possible problems. <i>SIAM Review</i>, 38(3):487–495, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL http://pubs.siam.org/sam-bin/dbq/article/29468.</p> |
|---|---|

- Editors:1999:GIS**
- [The99a] The Editors. Graphical illustration of some examples related to the article “Iterated Random Functions” by Diaconis and Freedman. *SIAM Review*, 41(1):77–82, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34475>.
- Editors:1999:Sa**
- [The99b] The Editors. SIGEST. *SIAM Review*, 41(1):113, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97021>.
- Editors:1999:Sb**
- [The99c] The Editors. SIGEST. *SIAM Review*, 41(2):301, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97026>.
- Editors:1999:Sc**
- [The99d] The Editors. SIGEST. *SIAM Review*, 41(3):553, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97031>.
- Editors:1999:Sd**
- [The99e] The Editors. SIGEST. *SIAM Review*, 41(4):775, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97037>.
- Editors:2000:Sa**
- [The00a] The Editors. SIGEST. *SIAM Review*, 42(1):91, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97043>.
- Editors:2000:Sb**
- [The00b] The Editors. SIGEST. *SIAM Review*, 42(2):265, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97047>.
- Editors:2000:Sc**
- [The00c] The Editors. SIGEST. *SIAM Review*, 42(3):449, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97053>.
- Editors:2000:Sd**
- [The00d] The Editors. SIGEST. *SIAM Review*, 42(4):693, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97058>.
- Editors:2001:Sb**
- [The01a] The Editors. SIGEST. *SIAM Review*, 43(2):313, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97061>.

- (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97068>.
- Editors:2001:Sc**
- [The01b] The Editors. SIGEST. *SIAM Review*, 43(3):497, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97073>.
- Editors:2001:Sd**
- [The01c] The Editors. SIGEST. *SIAM Review*, 43(4):643, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97078>.
- Editors:2002:Sa**
- [The02a] The Editors. SIGEST. *SIAM Review*, 44(1):93, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97083>.
- Editors:2002:Sb**
- [The02b] The Editors. SIGEST. *SIAM Review*, 44(2):235, June 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97088>.
- Editors:2002:Sc**
- [The02c] The Editors. SIGEST. *SIAM Review*, 44(3):415, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200
- [The02d] (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97093>.
- Editors:2002:Sd**
- [The02e] The Editors. SIGEST. *SIAM Review*, 44(4):629, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97098>.
- Editors:2003:Sa**
- [The03a] The Editors. SIGEST. *SIAM Review*, 45(1):73, March 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97103>.
- Editors:2003:Sb**
- [The03b] The Editors. SIGEST. *SIAM Review*, 45(2):289, June 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97108>.
- Editors:2003:Sc**
- [The03c] The Editors. SIGEST. *SIAM Review*, 45(3):521, September 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97113>.
- Editors:2003:S**
- [The03d] The Editors. SIGEST. *SIAM Review*, 45(4):725, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200

- (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97118>.
- Thom:1977:SSC**
- [Tho77] Rene Thom. Structural stability, catastrophe theory, and applied mathematics. *SIAM Review*, 19(??):189–201, ???? 1977. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Thron:1994:CFA**
- [Thr94] W. J. Thron. Continued fractions with applications (Lisa Lorentzen and Haakon Waadeland). *SIAM Review*, 36(1):148–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Thunberg:2001:PVC**
- [Thu01] Hans Thunberg. Periodicity versus chaos in one-dimensional dynamics. *SIAM Review*, 43(1):3–30, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37664>.
- Tijs:1981:NEN**
- [Tij81] Steve H. Tijs. Nash equilibria for noncooperative n -person games in normal form. *SIAM Review*, 23(2):225–237, April 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tien:1982:MSA**
- [TK82] James M. Tien and Angelica Kamiyama. On manpower scheduling algorithms. *SIAM Review*, 24(3):275–287, July 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tanabe:1997:FAM**
- [TK97] Hiroki Tanabe and R. Bruce Kellogg. Functional analytic methods for partial differential equations. *SIAM Review*, 39(4):798–??, December 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ting:1995:VVF**
- [TKG95] L. Ting, R. Klein, and Max D. Gunzburger. Viscous vortical flows. *SIAM Review*, 37(1):124–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tuckey:1995:NMC**
- [TL95] Curtis Tuckey and Peter A. Loeb. Nonstandard methods in the calculus of variations. *SIAM Review*, 37(3):474–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Teo:2002:MRF**
- [TL02] Chung-Piaw Teo and Siew Meng Leong. Managing risk in a four-digit number game. *SIAM Review*, 44(4):601–615, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/36698>.

- Tartar:1995:MCE**
- [TLN95] M. E. Tartar, M. D. Lock, and Guy Nason. Model-free curve estimation. *SIAM Review*, 37(2):270–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tisseur:2001:QEP**
- [TM01] Fran oise Tisseur and Karl Meerbergen. The quadratic eigenvalue problem. *SIAM Review*, 43(2):235–286, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/38198>.
- Todd:1984:QNU**
- [Tod84] Michael J. Todd. Quasi-Newton updates in abstract vector spaces. *SIAM Review*, 26(3):367–377, July 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tong:1988:SMI**
- [Ton88] Y. L. Tong. Some majorization inequalities in multivariate statistical analysis. *SIAM Review*, 30(4):602–622, December 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Totik:1991:AMS**
- [Tot91] Vilmos Totik. The averaged moduli of smoothness: With applications in numerical methods and approximation (Blagovest Sendov and Vasil A. Popov; trans. ed., G. M. Phillips). *SIAM Review*, 33(3):499–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Traub:1966:APU**
- [Tra66] J. F. Traub. Associated polynomials and uniform methods for the solution of linear problems. *SIAM Review*, 8(??):277–301, ??? 1966. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Trefethen:1982:GVF**
- [Tre82] Lloyd N. Trefethen. Group velocity in finite difference schemes. *SIAM Review*, 24(2):113–136, April 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Trefethen:1997:PLO**
- [Tre97] Lloyd N. Trefethen. Pseudospectra of linear operators. *SIAM Review*, 39(3):383–406, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29528>.
- Trefethen:1999:SRA**
- [Tre99a] Nick Trefethen. Survey and review. *SIAM Review*, 41(1):1–2, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97019>.

- Trefethen:1999:SRb**
- [Tre99b] Nick Trefethen. Survey and review. *SIAM Review*, 41(2):197, June 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97024>.
- Trefethen:1999:SRc**
- [Tre99c] Nick Trefethen. Survey and review. *SIAM Review*, 41(3):415, September 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97029>.
- Trefethen:1999:SRd**
- [Tre99d] Nick Trefethen. Survey and review. *SIAM Review*, 41(4):635, December 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97035>.
- Trefethen:2000:SRa**
- [Tre00a] Nick Trefethen. Survey and review. *SIAM Review*, 42(1):1, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97041>.
- Trefethen:2000:SRb**
- [Tre00b] Nick Trefethen. Survey and review. *SIAM Review*, 42(2):159, June 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97050>.
- Trefethen:2000:SRc**
- [Tre00c] Nick Trefethen. Survey and review. *SIAM Review*, 42(3):367, September 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97051>.
- Trefethen:2000:SRd**
- [Tre00d] Nick Trefethen. Survey and review. *SIAM Review*, 42(4):553, December 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97056>.
- Trefethen:2001:SRa**
- [Tre01a] Nick Trefethen. Survey and review. *SIAM Review*, 43(1):1, March 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97061>.
- Trefethen:2001:SRb**
- [Tre01b] Nick Trefethen. Survey and review. *SIAM Review*, 43(2):233, June 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/97066>.
- Trefethen:2001:SRc**
- [Tre01c] Nick Trefethen. Survey and review. *SIAM Review*, 43(3):

- [Tre01d] Nick Trefethen. Survey and review. *SIAM Review*, 43(4):583, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97071>.
- Trefethen:2001:SRd**
- [Tre01d] Nick Trefethen. Survey and review. *SIAM Review*, 43(4):583, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97071>.
- Trefethen:2001:SRa**
- [Tre02a] Nick Trefethen. Survey and review. *SIAM Review*, 44(1):1, March 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97081>.
- Trefethen:2002:SRb**
- [Tre02b] Nick Trefethen. Survey and review. *SIAM Review*, 44(2):167, June 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97086>.
- Trefethen:2002:SRC**
- [Tre02c] Nick Trefethen. Survey and review. *SIAM Review*, 44(3):309, September 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97091>.
- [Tre02d] Nick Trefethen. Survey and review. *SIAM Review*, 44(4):523, December 2002. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97096>.
- Trefethen:2002:SRd**
- [Tru94] M. R. Trummer. The Cauchy transform, potential theory and conformal mapping (Steven R. Bell). *SIAM Review*, 36(3):523–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Trummer:1994:CTP**
- [TS90] E. O. Tuck and L. W. Schwartz. A numerical and asymptotic study of some third-order ordinary differential equations relevant to draining and coating flows. *SIAM Review*, 32(3):453–469, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tuck:1990:NAS**
- [TT94] Alan D. Taylor and Donald G. Saari. Mathematics and politics. *SIAM Review*, 38(4):698–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Taylor:1996:MP**
- [Tap94] R. A. Tapia and M. W. Trosset. An extension of the Karush-Kuhn-Tucker necessity
- Tapia:1994:EKK**

- conditions to infinite programming. *SIAM Review*, 36(1):1–17, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/22073.htm>.
- Ta-tsien:1996:GCS**
- [TtK96] Li Ta-tsien and Mikhael Kovalyov. Global classical solutions for quasilinear hyperbolic systems. *SIAM Review*, 38(2):347–??, June 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Turner:1988:CBA**
- [TTY88] D. W. Turner, F. E. Tidmore, and D. M. Young. A calculus based approach to the blood testing problem. *SIAM Review*, 30(1):119–122, March 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tudor:1990:DMH**
- [Tud90] David Tudor. A deterministic model for herpes infections in human and animal populations. *SIAM Review*, 32(1):136–139, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tudor:1992:MEP**
- [Tud92] David Tudor. Modeling the effect of public health campaigns on the spread of aids. *SIAM Review*, 34(2):300–303, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Tuk87] John W. Tukey. Configural polysampling. *SIAM Review*, 29(1):1–20, March 1987. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tukey:1987:CP**
- [Tul90] Vladimir Tulovsky. Mathematical analysis and numerical methods for science and technology, volume 2: Functional and variational methods (Robert Dautray and Jacques-Louis Lions; Ian N. Sneddon, trans.). *SIAM Review*, 32(1):191–??, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tulovsky:1990:MAN**
- [Tut94] W. Tutschke. Transformations, transmutations, and kernel functions, vol. 1 (H. Begehr and R. P. Gilbert). *SIAM Review*, 36(3):524–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tutschke:1994:TTK**
- [Tze91] Leung Lai Tze. Optimization of stochastic systems: Topics in discrete-time dynamics (Masanao Aoki). *SIAM Review*, 33(4):671–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Tze:1991:OSS**
- [UB00] Michael Unser and Thierry Blu. Fractional splines and wavelets. *SIAM Review*, 42(1):61–105, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Unser:2000:FSW**

- (1):43–67, March 2000. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/34943>.
- Udwadia:1989:SRM**
- [Udw89] Firdaus E. Udwadia. Some results on maximum entropy distributions for parameters known to lie in finite intervals. *SIAM Review*, 31(1):103–109, March 1989. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ulam:1964:CAI**
- [Ula64] S. Ulam. Combinatorial analysis in infinite sets and some physical theories. *SIAM Review*, 6 (??):343–355, ???? 1964. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Urbas:1993:RTQ**
- [Urb93] John Urbas. Regularity theory for quasilinear elliptic systems and Monge-Ampere equations in two dimensions (Friedmar Schulz). *SIAM Review*, 35 (1):169–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Uribe:1992:POR**
- [Uri92] Alejandro Uribe. Pseudo-differential operators (S. R. Simanca). *SIAM Review*, 34 (1):128–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Vak93] Alexander F. Vakakis. Theory of vibration I and II (A. A. Shabana). *SIAM Review*, 35(3): 540–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Vakakis:1993:TVI**
- [Van93] Pamela H. Vance. Knapsack problems: Algorithms and computer implementations (S. Martello and P. Toth). *SIAM Review*, 35(4):684–??, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Vance:1993:KPA**
- [Van94a] H. Van der Vorst. Parallel numerical algorithms (T. L. Freeman and C. Phillips). *SIAM Review*, 36(4):678–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- VanderVorst:1994:PNA**
- [Van94b] Milton Van Dyke. Nineteenth-century roots of the boundary-layer idea. *SIAM Review*, 36(3): 415–424, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25789.htm>.
- VanDyke:1994:NCR**
- [Van94c] A. Vanderbauwhede. Topics in bifurcation theory and applications (Gerard Iooss and Moritz Adelmeyer). *SIAM Review*, 36
- Vanderbauwhede:1994:TBT**

- (2):323–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Varah:1979:PES**
- [Var79] J. M. Varah. A practical examination of some numerical methods for linear discrete ill-posed problems. *SIAM Review*, 21(1):100–111, January 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Vasilieva:1994:DSP**
- [Vas94] A. B. Vasilieva. On the development of singular perturbation theory at Moscow State University and elsewhere. *SIAM Review*, 36(3):440–452, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/25729.htm>.
- Vassilevski:1997:TWS**
- [Vas97] Panayot S. Vassilevski. On two ways of stabilizing the hierarchical basis multilevel methods. *SIAM Review*, 39(1):18–53, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/28221; http://www.siam.org/journals/sirev/> [Vis01] srev391.htm.
- Vandenbergh:1996:SP**
- [VB96] Lieven Vandenberghe and Stephen Boyd. Semidefinite programming. *SIAM Review*, 38(1):49–95, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/37529>.
- Villacampa:1997:CNS**
- [VBU97] Y. Villacampa, A. Balaguer, and J. L. Usó. Classroom note: A study of a semi-infinite integral. *SIAM Review*, 39(3):494–495, September 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/28678>.
- Veselic:1995:FCM**
- [Ves95] K. Veselić. Finite catenary and the method of Lagrange. *SIAM Review*, 37(2):224–229, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/23998.htm>.
- Vilms:1974:DTF**
- [Vil74] Jaak Vilms. Differentiation of tensor fields. II. *SIAM Review*, 16(?):303–308, ??? 1974. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Viswanath:2001:LPT**
- Divakar Viswanath. The Lindstedt–Poincaré technique as an algorithm for computing periodic orbits. *SIAM Review*, 43(3):478–495, September 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/37529>.

- Verma:1984:HRM**
- [VK84] Ghans R. Verma and Joseph B. Keller. Hanging rope of minimum elongation. *SIAM Review*, 26(4):569–571, October 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Vishik:1995:ABS**
- [VM95] M. I. Vishik and Alexander Mielke. Asymptotic behaviour of solutions of evolutionary equations. *SIAM Review*, 37(3):471–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Vogt:1991:IHS**
- [Vog91] Andrew Vogt. An introduction to Hilbert space and quantum logic (David W Cohen). *SIAM Review*, 33(1):160–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Vogt:1993:QMA**
- [Vog93] Andrew Vogt. Quantum mechanics, algebras and distributions (D. A. Dubin and M. A. Hennings). *SIAM Review*, 35(2):343–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Vasko:1995:OCC**
- [VS95] Francis J. Vasko and Kenneth L. Stott. Optimizing continuous Caster product dimensions: An example of a nonlinear design problem in the steel industry. *SIAM Review*, 37(1):82–84, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/26136.htm>.
- Wahlbin:1992:NEE**
- [Wah92] Lars B. Wahlbin. Nonlinear elliptic and evolution problems and their finite element approximations (A. Zenisek). *SIAM Review*, 34(2):346–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wahlberg:2003:ORF**
- [Wah03] Bo Wahlberg. Orthogonal rational functions: A transformation analysis. *SIAM Review*, 45(4):689–705, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://epubs.siam.org/sam-bin/dbq/article/37663>.
- Walnut:1993:WTT**
- [Wal93] David F. Walnut. Wavelets: A tutorial in theory and applications (Charles K Chui, ed.). *SIAM Review*, 35(2):345–??, June 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Walker:1995:SLL**
- [Wal95] David W. Walker. Software libraries for linear algebra computations on high performance computers. *SIAM Review*, 37(2):151–??, June 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- DEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Walnut:1997:BRW**
- [Wal97] David Walnut. Book review: Wavelets: An Analysis Tool, by M. Holschneider. *SIAM Review*, 39(1):172–174, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wang:1979:DIC**
- [Wan79] Chung Lie Wang. On development of inverses of the Cauchy and Hölder inequalities. *SIAM Review*, 21(4):550–557, October 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wan:1991:HMA**
- [Wan91] Yieh-Hei Wan. The hyperbolic map and applications to the linear quadratic regulator (B. J. Daiuto, T. T. Hartley, and S. P. Chicatelli). *SIAM Review*, 33(2):338–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wang:1997:PEU**
- [Wan97] Yongji Wang. Problems: Existence and uniqueness for a variational problem (problem 97-4). *SIAM Review*, 39(1):125–126, March 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Warchall:1992:SPM**
- [War92] Henry Warchall. Solitons in physics, mathematics, and nonlinear optics (P. J. Olver and D. H. Sattinger). *SIAM Review*, 34(4):689–??, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ware:1998:FAF**
- [War98] Antony F. Ware. Fast approximate Fourier transforms for irregularly spaced data. *SIAM Review*, 40(4):838–856, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31533>.
- Wasilkowski:1994:CCD**
- [Was94a] G. W. Wasilkowski. The computational complexity of differential and integral equations: an information-based approach (Arthur G. Werschulz). *SIAM Review*, 36(3):525–??, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wasow:1994:SPM**
- [Was94b] Wolfgang Wasow. Singular perturbation methods for ordinary differential equations (Robert E. O’Malley, Jr.). *SIAM Review*, 36(1):149–??, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Watkins:1982:UQA**
- [Wat82] David S. Watkins. Understanding the qr algorithm. *SIAM Review*, 24(4):427–440, October 1982. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Watkins:1984:IF**
- [Wat84] David S. Watkins. Isospectral flows. *SIAM Review*, 26(3):379–391, July 1984. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Watson:1986:NLA**
- [Wat86] Layne T. Watson. Numerical linear algebra aspects of globally convergent homotopy methods. *SIAM Review*, 28(4):529–545, December 1986. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Watkins:1993:SPE**
- [Wat93] David S. Watkins. Some perspectives on the eigenvalue problem. *SIAM Review*, 35(3):430–471, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Waterhouse:1996:SBP**
- [Wat96] William C. Waterhouse. Some boundary problems with even or odd solutions. *SIAM Review*, 38(4):645–646, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28649>.
- Waxler:1991:CMS**
- [Wax91] Roger Waxler. A course in mathematics for students of physics, vol. 2 (Paul Bamberg and Shlomo Sternberg). *SIAM Review*, 33(4):670–??, December 1991. CODEN SIREAD.
- Wet74**
- [Wet74] Michael Wester. Review of “Mathematica: A System for Doing Mathematics by Computer, Second Edition, by Stephen Wolfram”. *SIAM Review*, 34(3):519–522, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wets:1974:SPF**
- Roger J.-B. Wets. Stochastic programs with fixed recourse:
- ISSN 0036-1445 (print), 1095-7200 (electronic).**
- Wickerhauser:1996:AWA**
- Mladen Victor Wickerhauser and Charles K. Chui. Adapted wavelet analysis from theory to software. *SIAM Review*, 38(1):160–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Weitzner:1990:INF**
- Harold Weitzner. Introduction to nonlinear fluid-plasma waves (Bhimsen K. Shivamoggi). *SIAM Review*, 32(3):520–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Weiser:1991:MAM**
- Alan Weiser. Multilevel adaptive methods for partial differential equations (Stephen F. McCormick). *SIAM Review*, 33(4):680–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wester:1992:RSD**
- Michael Wester. Review of “Mathematica: A System for Doing Mathematics by Computer, Second Edition, by Stephen Wolfram”. *SIAM Review*, 34(3):519–522, September 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- The equivalent deterministic program. *SIAM Review*, 16(??):309–339, ??? 1974. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wetterling:1993:POS**
- [Wet93] Wolfgang Wetterling. Parametric optimization: Singularities, pathfollowing and jumps (J. Guddat and F. Guerra Vasquez with H. Th. Jongen). *SIAM Review*, 35(1):172–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- White:1992:SPM**
- [Whi92] Donald B. White. Sampling of populations: Methods and applications (Paul Levy and Stanley Lemeshow). *SIAM Review*, 34(2):347–??, June 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Whitaker:1993:ITP**
- [Whi93] Stephen Whitaker. Interfacial transport phenomena (John C. Slattery). *SIAM Review*, 35(1):172–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Whittle:1994:OMB**
- [Whi94] G. Whittle. Oriented matroids (A. Bjorner, M. Las Vergnas, B. Sturmfels, N. White, and G. Ziegler). *SIAM Review*, 36(4):679–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wickerhauser:1994:WAA**
- [Wic94] M. V. Wickerhauser. Wavelets: Algorithms and applications (Yves Meyer). *SIAM Review*, 36(3):526–528, September 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wightman:1990:RTP**
- [Wig90] Arthur S. Wightman. Riemann, topology, and physics (Michael Monastyrsky). *SIAM Review*, 32(1):192, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wightman:1991:FQE**
- [Wig91] Arthur S. Wightman. Finite quantum electrodynamics (G. Scharf). *SIAM Review*, 33(3):508–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wilkinson:1971:MEA**
- [Wil71] J. H. Wilkinson. Modern error analysis. *SIAM Review*, 13(??):548–568, ??? 1971. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Williams:1991:CMG**
- [Wil91] William O. Williams. Continua with microstructure (Gianfranco Capizzi). *SIAM Review*, 33(1):161–??, March 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).

- Willoughby:1993:NMG**
- [Wil93] Ralph A. Willoughby. Numerical mathematics (Gunther Hämmerlein and Karl-Heinz Hoffman; Larry Schumaker, trans.). *SIAM Review*, 35(1):174–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wimp:1991:BHS**
- [Wim91] Jet Wimp. Basic hypergeometric series (George Gasper and Mizan Rahman). *SIAM Review*, 33(3):489–??, September 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Winfree:1990:SPL**
- [Win90] A. T. Winfree. Stable particle-like solutions to the nonlinear wave equations of three-dimensional excitable media. *SIAM Review*, 32(1):1–53, March 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Winter:1993:SCT**
- [Win93] Donald F. Winter. On the stem curve of a tall palm in a strong wind. *SIAM Review*, 35(4):567–579, December 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). See erratum [Win96].
- Winter:1996:ERS**
- [Win96] Donald F. Winter. Erratum and reformulation: “On the stem curve of a tall palm in a strong wind” [SIAM Rev. **35** (1993), no. 4, 567–579, MR 94g:73028]. *SIAM Review*, 38(3):485–486, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/29892>. See [Win93].
- Wittke:1990:UAZ**
- [Wit90] P. H. Wittke. A unified approach to zero-crossings and nonuniform sampling: Of single and multidimensional signals and systems (Farokh A. Marvasti). *SIAM Review*, 32(3):521–??, September 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Whittemore:1978:QTC**
- [WK78] Alice Whittemore and Joseph B. Keller. Quantitative theories of carcinogenesis. *SIAM Review*, 20(1):1–30, January 1978. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Weiss:1995:AAR**
- [WL95] G. H. Weiss and Gregory F. Lawler. Aspects and applications of the random walk. *SIAM Review*, 37(3):470–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wollkind:1994:WNS**
- [WMZ94] David J. Wollkind, Valipuram S. Manoranjan, and Limin Zhang. Weakly nonlinear stability analyses of prototype

- reaction-diffusion model equations. *SIAM Review*, 36(2):176–214, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wolkowicz:1981:CMO**
- [Wol81] H. Wolkowicz. A constrained matrix optimization problem. *SIAM Review*, 23(??):101–??, ???? 1981. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wolper:1988:CNR**
- [Wol88] James S. Wolper. (celestial) navigation on a Riemannian earth. *SIAM Review*, 30(3):498–501, September 1988. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wolper:1993:ACM**
- [Wol93] James S. Wolper. Algebraic-geometric codes (M. A. Tsfasman and S. G. Vladut). *SIAM Review*, 35(3):541–??, September 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wolkowicz:1994:PS**
- [Wol94a] H. Wolkowicz. Problem solution 93-17. *SIAM Review*, 36(4):657–659, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wolper:1994:TPA**
- [Wol94b] James S. Wolper. Turn performance of aircraft. *SIAM Review*, 36(3):470–473, September 1994.
- [Wol97] [Won80]
- CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/25697.htm>.
- Wolfe:1997:BRA**
- Peter Wolfe. Book review: *Applied Continuum Mechanics*, by T. J. Chung. *SIAM Review*, 39(2):366–367, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wong:1980:EBA**
- R. Wong. Error bounds for asymptotic expansions of integrals. *SIAM Review*, 22(4):401–435, October 1980. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Woods:1992:RSS**
- John W. Woods. Random signals and systems (Richard E. Mortensen). *SIAM Review*, 34(1):148–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wood:1996:VLE**
- T. E. Wood. Vertex latitudes on ellipsoid geodesics. *SIAM Review*, 38(4):637–644, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/28344>.
- Wiggins:1995:NHI**
- Stephen Wiggins and Kenneth J. Palmer. Normally hyperbolic invariant manifolds in dynamical
- [WP95]

- systems. *SIAM Review*, 37(3):472–??, September 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wiggins:1996:GDP**
- [WP96] Stephen Wiggins and Kenneth J. Palmer. Global dynamics, phase space transport, orbits homoclinic to resonances, and applications. *SIAM Review*, 38(3):538–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Weaver:1998:ERN**
- [WPL98] James W. Weaver and Freda Porter-Locklear. Estimating the rate of natural bioattenuation of ground water contaminants by a mass conservation approach. *SIAM Review*, 40(1):113–117, March 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/31240>.
- Wu:2001:FNA**
- [WPTZ01] Zhijun Wu, George N. Phillips, Jr., Richard Tapia, and Yin Zhang. A fast Newton algorithm for entropy maximization in phase determination. *SIAM Review*, 43(4):623–642, December 2001. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/37173>.
- WS75**
- [WR96a] J. T. Weaver and Robert C. Rogers. Mathematical methods for geo-electromagnetic induction. *SIAM Review*, 38(4):697–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Weaver:1996:MMG**
- [WR96b] David C. Wilcox and R. H. Rand. Perturbation methods in the computer age. *SIAM Review*, 38(3):539–??, September 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Wilcox:1996:PMC**
- [Wri99] Margaret H. Wright. Preface. *SIAM Review*, 41(1):ix–x, March 1999. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/97018>.
- Wright:1999:P**
- [Weinstein:1975:CTO] Mills B. Weinstein and Donald R. Smith. Comparison techniques for overdamped systems. *SIAM Review*, 17(??):520–540, ????. 1975. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Weinstein:1975:CTO**
- [Xin00] Jack Xin. Front propagation in heterogeneous media. *SIAM Review*, 42(2):161–230, June 2000. CODEN SIREAD.
- Xin:2000:FPH**

- [XL94] Y. Xu and W. Lin. Methods of singular integral equations (A. Dzhuraev). *SIAM Review*, 36(2):324–??, June 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Xu:1994:MSI**
- [Xu92] Jinchao Xu. Iterative methods by space decomposition and subspace correction. *SIAM Review*, 34(4):581–613, December 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Xu:1992:IMS**
- [XZ98] Jinchao Xu and Jun Zou. Some nonoverlapping domain decomposition methods. *SIAM Review*, 40(4):857–914, December 1998. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/30680>.
- Yakowitz:1994:TSA**
- [Yak94] S. Yakowitz. Time series analysis of higher order crossings (B. Kedem). *SIAM Review*, 36(4):680–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- [Yan90]
- R. T. Yanushevsky. Parametric feedback improving control systems efficiency. *SIAM Review*, 32(2):294–299, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Yanushevsky:1990:PFI**
- [Yan91]
- Huijun Yang. Asymptotic modeling of atmospheric flows (R. Zeytounian). *SIAM Review*, 33(4):672–??, December 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Yang:1991:AMA**
- [Yan92]
- Grace L. Yang. Stochastic processes in epidemic theory (J.-P. Gabriel, C. Lefevre, and P. Picard, eds.). *SIAM Review*, 34(1):153–??, March 1992. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Yang:1992:SPE**
- [Yan94]
- Elizabeth Greenwell Yanik. Numerical Recipes in FORTRAN — the Art of Scientific Computing, 2nd Ed. (W. H. Press, W. T. Vetterling, S. A. Teukolsky, and B. P. Flannery). *SIAM Review*, 36(1):149, March 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Yanik:1994:NRF**
- [Yan97]
- Dicky Yan. Case studies from industry: Optimal and dominating strategies for determining continuous Caster product dimensions. *SIAM Review*, 39(3):
- Yan:1997:CSI**

- [YL03] Osman Yasar and Rubin H. Landau. Elements of computational science and engineering education. *SIAM Review*, 45(4):787–805, December 2003. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/sam-bin/dbq/article/40807>.
- Young:1973:SMN**
- [You73] David M. Young. A survey of modern numerical analysis. *SIAM Review*, 15(2):503–523, April 1973. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Yoh-Han:1993:SPR**
- [YH93] Pao Yoh-Han. Statistical pattern recognition (Keinosuke Fukunaga). *SIAM Review*, 35(1):161–??, March 1993. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Yasar:2003:ECS**
- [Ye94] Y. Ye. Interior-point polynomial algorithms in convex programming (Y. Nesterov and A. Nemirovskii). *SIAM Review*, 36(4):682–??, December 1994. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ye:1994:IPA**
- [Ypm83] T. J. Ypma. Finding a multiple zero by transformations and Newton-like methods. *SIAM Review*, 25(3):365–378, July 1983. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ypma:1983:FMZ**
- [YT95] Tjalling J. Ypma. Historical development of the Newton-Raphson method. *SIAM Review*, 37(4):531–551, December 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic). URL <http://pubs.siam.org/23425.htm>.
- Yakubov:1995:CRF**
- [YT95] S. Yakubov and Hans Triebel. Completeness of root functions of regular differential operators. *SIAM Review*, 37(1):138–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Zelikin:1996:TCC**
- [ZBK96] M. I. Zelikin, V. F. Borisov, and Arthur J. Krener. Theory of chattering control. *SIAM Review*, 38(1):172–??, March 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Zegeling:1995:MMT**
- [ZD95] P. A. Zegeling and Thomas K. DeLillo. Moving-grid methods for time-dependent partial differential equations. *SIAM Review*,

- 37(1):120–??, March 1995. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Zhang:1997:BRC**
- [Zha97] Zhimin Zhang. Book review: *Conservative Finite-Difference Methods on General Grids*, by Mikhail Shashkov. *SIAM Review*, 39(2):367–??, June 1997. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Ziebur:1979:NDL**
- [Zie79] Allen D. Ziebur. New directions in linear differential equations. *SIAM Review*, 21(1):57–70, January 1979. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Zimmermann:1990:DOR**
- [Zim90] Uwe Zimmermann. Discrete optimization (R. Gary Parker and Ronald L. Rardin). *SIAM Review*, 32(2):333–??, June 1990. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Zwillinger:1996:CSM**
- [ZK96] Daniel Zwillinger and Bruce Kellogg. CRC Standard Mathematical Tables and Formulae. *SIAM Review*, 38(4):691–??, December 1996. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Zlobec:1970:EFM**
- [Zlo70] Sanjo Zlobec. An explicit form of the Moore-Penrose inverse of an arbitrary complex matrix. *SIAM Review*, 12(??):132–134, ????. 1970. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).
- Zlobec:1991:TSA**
- S. Zlobec. (2)-inverses and their statistical application (Albert J. Getson and Francis C. Hsuan). *SIAM Review*, 33(2):338–??, June 1991. CODEN SIREAD. ISSN 0036-1445 (print), 1095-7200 (electronic).