A Complete Bibliography of Publications in the *Journal of the Society for Industrial and Applied Mathematics*

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References

Clippinger:1953:ADCa

[1] R. F. Clippinger, B. Dimsdale, and J. H. Levin. Automatic digital computers in industrial research. I. *Journal of the Society for Industrial and Applied Mathematics*, 1(1):1–15, September 1953. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hoffman:1953:CES

[2] A. Hoffman, M. Mannos, D. Sokolowsky, and N. Wiegmann. Computational experience in solving linear programs. *Journal of the Society for Industrial and Applied Mathematics*, 1(1):17–33, September 1953. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Zadeh:1953:TF

[3] L. A. Zadeh. Theory of filtering. *Journal of the Society for Industrial and Applied Mathematics*, 1(1):35–51, September 1953. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Payne:1953:ASP

[4] L. E. Payne. On axially symmetric punch, crack and torsion problems. *Journal of the Society for Industrial and Applied Mathematics*, 1(1):53–71, September 1953. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fite:1953:MRL

[5] Wade L. Fite. Maximization of return from limited resources. *Journal of the Society for Industrial and Applied Mathematics*, 1(2):73–90, December 1953. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Clippinger:1953:ADCb

[6] R. F. Clippinger, B. Dimsdale, and J. H. Levin. Automatic digital computers in industrial research, II. *Journal of the Society for Industrial and Applied Mathematics*, 1(2):91–110, December 1953. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Juncosa:1953:OCS

[7] M. L. Juncosa and D. M. Young. On the order of convergence of solutions of a difference equation to a solution of the diffusion equation. *Journal of the Society for Industrial and Applied Mathematics*, 1(2):111–135, December 1953. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Woodbury:1953:LCG

[8] Max A. Woodbury. Linear-convex games. *Journal of the Society for Industrial and Applied Mathematics*, 1(2): 137–142, December 1953. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

KampedeFeriet:1954:ISTa

[9] J. Kampe de Feriet and S. I. Pai. Introduction to the statistical theory of turbulence. I. *Journal of the Society for Industrial and Applied Mathematics*, 2 (1):1–9, March 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Goldberg:1954:PMB

[10] Samuel Goldberg. Probability models in biology and engineering. *Journal of the Society for Industrial and Applied Mathematics*, 2(1):10–19, March 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Abramowitz:1954:PEI

[11] Milton Abramowitz. On the practical evaluation of integrals. *Journal of the Society for Industrial and Applied Mathematics*, 2(1):20–35, March 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Clippinger:1954:ADCa

[12] R. F. Clippinger, B. Dimsdale, and J. H. Levin. Automatic digital computers in industrial research. III. *Journal of the Society for Industrial and Applied Mathematics*, 2(1):36–56, March 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Birkhoff:1954:CPD

[13] Garrett Birkhoff. Classification of partial differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 2(1):57–67, March 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gorn:1954:AAC

[14] Saul Gorn. The automatic analysis and control of computing errors. *Journal of the Society for Industrial and Applied Mathematics*, 2(2):69–81, June 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bellman:1954:TDP

[15] R. Bellman, I. Glicksberg, and O. Gross. The theory of dynamic programming as applied to a smoothing problem. *Journal of the Society for Industrial and Applied Mathematics*, 2(2):82–88, June 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kodis:1954:IVM

[16] Ralph D. Kodis. An introduction to variational methods in electromagnetic scattering. *Journal of the Society for Industrial and Applied Mathematics*, 2(2):89–112, June 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Clippinger:1954:ADCb

[17] R. F. Clippinger, B. Dimsdale, and J. H. Levin. Automatic digital computers in industrial research. IV. *Journal of the Society for Industrial and Applied Mathematics*, 2(2):113–131, June 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

OBrien:1954:SSQ

[18] George G. O'Brien. The solution of some queueing problems. *Journal of the Society for Industrial and Applied Mathematics*, 2(3):133–142, September 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

KampedeFeriet:1954:ISTb

[19] J. Kampe de Feriet and S. I. Pai. Introduction to the statistical theory of turbulence. II. *Journal of the Society for Industrial and Applied Mathematics*, 2(3):143–174, September 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bellman:1954:SCP

[20] Richard Bellman and Oliver Gross. Some combinatorial problems arising in the theory of multi-stage processes. *Journal of the Society for Industrial and Applied Mathematics*, 2(3):175–183, September 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Clippinger:1954:ADCc

[21] R. F. Clippinger, B. Dimsdale, and J. H. Levin. Automatic digital computers in industrial research. V. *Journal of the Society for Industrial and Applied Mathematics*, 2(3):184–200, September

1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Burks:1954:CDN

[22] Arthur W. Burks, Robert McNaughton, Carl H. Pollmar, Don W. Warren, and Jesse B. Wright. Complete decoding nets: General theory and minimality. *Journal of the Society for Industrial and Applied Mathematics*, 2(4):201–243, December 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

KampedeFeriet:1954:ISTc

[23] J. Kampe de Feriet. Introduction to the statistical theory of turbulence. III. *Journal of the Society for Industrial and Applied Mathematics*, 2(4):244–271, December 1954. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Loeb:1955:DCL

[24] Arthur L. Loeb and Harry H. Denman. The digital computer as a laboratory tool: Electronic digital computation of optical constants of thin metal films. *Journal of the Society for Industrial and Applied Mathematics*, 3(1):1–16, March 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Erdelyi:1955:ARF

[25] A. Erdélyi. Asymptotic representations of Fourier integrals and the method of stationary phase. *Journal of the Society for Industrial and Applied Mathematics*, 3(1):17–27, March 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Peaceman:1955:NSP

[26] D. W. Peaceman and H. H. Rachford, Jr. The numerical solution of parabolic and elliptic differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 3(1):28–41, March 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Douglas:1955:NII

[27] Jim Douglas, Jr. On the numerical integration $\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} = \frac{\partial u}{\partial t}$ by implicit methods. *Journal of the Society for Industrial and Applied Mathematics*, 3(1):42–65, March 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Householder:1955:TNI

[28] A. S. Householder. Terminating and nonterminating iterations for solving linear systems. *Journal of the Society for Industrial and Applied Mathematics*, 3(2):67–72, June 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fagen:1955:QSS

[29] R. E. Fagen and John Riordan. Queueing systems for single and multiple operation. *Journal of the Society for Industrial and Applied Mathematics*, 3(2):73–79, June 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Clippinger:1955:ADC

[30] R. F. Clippinger, B. Dimsdale, and J. H. Levin. Automatic digital computers in industrial research. VI. *Journal of the Society for Industrial and Applied Mathematics*, 3(2):80–89, June 1955. CODEN

JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

KampeDeFeriet:1955:IST

[31] J. Kampe De Feriet and S. I. Pai. Introduction to the statistical theory of turbulence. IV. *Journal of the Society for Industrial and Applied Mathematics*, 3(2):90–117, June 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

McMillan:1955:HP

[32] Brockway McMillan. History of a problem. *Journal of the Society for Industrial and Applied Mathematics*, 3(3):119–128, September 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bellman:1955:FEA

[33] Richard Bellman. A functional equation arising in allocation theory. *Journal of the Society for Industrial and Applied Mathematics*, 3(3):129–132, September 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bellman:1955:ERP

[34] Richard Bellman. Equipment replacement policy. *Journal of the Society for Industrial and Applied Mathematics*, 3(3):133–136, September 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Putnam:1955:TMD

[35] C. R. Putnam. Temporal means and distribution functions. *Journal of the Society for Industrial and Applied Mathematics*, 3(3):137–141, September 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Yeh:1955:PDC

[36] G. C. K. Yeh, J. Martinek, and G. S. S. Ludford. The potentials due to certain singularities in the presence of a fixed sphere. *Journal of the Society for Industrial and Applied Mathematics*, 3(3):142–152, September 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cole:1955:ACN

[37] K. S. Cole, H. A. Antosiewicz, and P. Rabinowitz. Automatic computation of nerve excitation. *Journal of the Society for Industrial and Applied Mathematics*, 3(3):153–172, September 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Forsythe:1955:CCM

[38] George E. Forsythe. Computing constrained minima with Lagrange multipliers. *Journal of the Society for Industrial and Applied Mathematics*, 3(4):173–178, December 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Luke:1955:RMS

[39] Yudell L. Luke. Remarks on the τ-method for the solution of linear differential equations with rational coefficients. *Journal of the Society for Industrial and Applied Mathematics*, 3(4):179–191, December 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Middleton:1955:DES

[40] David Middleton and David van Meter. Detection and extraction of signals in noise from the point of view of statistical

decision theory. I. *Journal of the Society for Industrial and Applied Mathematics*, 3(4):192–253, December 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Brachman:1955:NSS

[41] Malcolm K. Brachman. Notes on the summation of series. *Journal of the Society for Industrial and Applied Mathematics*, 3(4):254–258, December 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Reid:1955:MSC

[42] Walter P. Reid. A method for solving certain boundary value problems. *Journal of the Society for Industrial and Applied Mathematics*, 3(4):259–261, December 1955. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Acrivos:1956:TRSa

[43] Andreas Acrivos. The transient response of stagewise processes. *Journal of the Society for Industrial and Applied Mathematics*, 4(1):1–19, March 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Douglas:1956:RBS

[44] Jim Douglas, Jr. On the relation between stability and convergence in the numerical solution of linear parabolic and hyperbolic differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 4(1):20–37, March 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Erdelyi:1956:AEF

[45] A. Erdélyi. Asymptotic expansions of Fourier integrals involving logarithmic singularities. *Journal of the Society for Industrial and Applied Mathematics*, 4 (1):38–47, March 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See note [556].

Bellman:1956:VPC

[46] Richard Bellman. A variational problem with constraints in dynamic programming. *Journal of the Society for Industrial and Applied Mathematics*, 4(1): 48–61, March 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Stiefel:1956:SFI

[47] E. Stiefel. On solving Fredholm integral equations: Applications to conformal mapping and variational problems of potential theory. *Journal of the Society for Industrial and Applied Mathematics*, 4(2):63–85, June 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Middleton:1956:DES

[48] David Middleton and David van Meter. Detection and extraction of signals in noise from the point of view of statistical decision theory. II. *Journal of the Society for Industrial and Applied Mathematics*, 4(2):86–119, June 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Acrivos:1956:TRSb

[49] Andreas Acrivos. The transient response of stagewise processes. *Journal of the*

Society for Industrial and Applied Mathematics, 4(2):120–130, June 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bendat:1956:GTL

[50] Julius Bendat. A general theory of linear prediction and filtering. *Journal of the Society for Industrial and Applied Mathematics*, 4(3):131–151, September 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cohn:1956:SAN

[51] Harvey Cohn. Some applied number theory. *Journal of the Society for Industrial and Applied Mathematics*, 4(3): 152–167, September 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bellman:1956:MAS

[52] Richard Bellman. Mathematical aspects of scheduling theory. *Journal of the Society for Industrial and Applied Mathematics*, 4(3):168–205, September 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Stegun:1956:PC

[53] Irene A. Stegun and Milton Abramowitz. Pitfalls in computation. *Journal of the Society for Industrial and Applied Mathematics*, 4(4):207–219, December 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Arms:1956:MBI

[54] R. J. Arms, L. D. Gates, and B. Zondek. A method of block iteration. *Journal of the Society for Industrial and Applied Mathematics*, 4(4):220–229, December 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Reissner:1956:NMB

[55] Eric Reissner. A note on membrane and bending stresses in spherical shells. *Journal of the Society for Industrial and Applied Mathematics*, 4(4):230–240, December 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Montroll:1956:RWM

[56] Elliot W. Montroll. Random walks in multidimensional spaces, especially on periodic lattices. *Journal of the Society for Industrial and Applied Mathematics*, 4(4):241–260, December 1956. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Schlesinger:1957:AEE

[57] Stewart Schlesinger. Approximating eigenvalues and eigenfunctions of symmetric kernels. *Journal of the Society for Industrial and Applied Mathematics*, 5(1):1–14, March 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Vinti:1957:SCS

[58] John P. Vinti and Tadeusz Leser. The sums of certain series involving Bessel functions. *Journal of the Society for Industrial and Applied Mathematics*, 5(1): 15–31, March 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [373].

Munkres:1957:AAT

[59] James Munkres. Algorithms for the assignment and transportation problems. *Journal of the Society for Industrial and*

Applied Mathematics, 5(1):32–38, March 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Varga:1957:CSO

[60] Richard S. Varga. A comparison of the successive overrelaxation method and semi-iterative methods using Chebyshev polynomials. *Journal of the Society for Industrial and Applied Mathematics*, 5 (2):39–46, June 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Krzywoblocki:1957:GBL

[61] M. Z. V. Krzywoblocki and H. A. Hassan. Generalization of Bergman's linear integral operator method to diabatic flow. *Journal of the Society for Industrial and Applied Mathematics*, 5(2): 47–65, June 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Peirce:1957:NIP

[62] William H. Peirce. Numerical integration over the planar annulus. *Journal of the Society for Industrial and Applied Mathematics*, 5(2):66–73, June 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Forsythe:1957:GUO

[63] George E. Forsythe. Generation and use of orthogonal polynomials for data-fitting with a digital computer. *Journal of the Society for Industrial and Applied Mathematics*, 5(2):74–88, June 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dolph:1957:SPC

[64] C. L. Dolph. A saddle point characterization of the Schwinger stationary points in exterior scattering problems. *Journal of the Society for Industrial and Applied Mathematics*, 5(3):89–104, September 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kiefer:1957:OSS

[65] J. Kiefer. Optimum sequential search and approximation methods under minimum regularity assumptions. *Journal of the Society for Industrial and Applied Mathematics*, 5(3):105–136, September 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Greville:1957:SFT

[66] T. N. E. Greville. On smoothing a finite table: A matrix approach. *Journal of the Society for Industrial and Applied Mathematics*, 5(3):137–154, September 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Householder:1957:SSC

[67] Alston S. Householder. A survey of some closed methods for inverting matrices. *Journal of the Society for Industrial and Applied Mathematics*, 5(3): 155–169, September 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Payne:1957:LBV

[68] L. E. Payne and H. F. Weinberger. Lower bounds for vibration frequencies of elastically supported membranes and plates. *Journal of the Society for Industrial and Applied Mathematics*, 5(4):

171–182, December 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sims:1957:CAI

[69] A. R. Sims. Certain aspects of the inverse scattering problem. *Journal of the Society for Industrial and Applied Mathematics*, 5(4):183–205, December 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Brown:1957:ADL

[70] WM. M. Brown. Analysis of discrete linear systems. *Journal of the Society for Industrial and Applied Mathematics*, 5 (4):206–224, December 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Riordan:1957:CST

[71] John Riordan. The combinatorial significance of a theorem of Polya. *Journal of the Society for Industrial and Applied Mathematics*, 5(4):225–237, December 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Heller:1957:OPL

[72] J. Heller. Ordering properties of linear successive iteration schemes applied to multi-diagonal type linear systems. *Journal of the Society for Industrial and Applied Mathematics*, 5(4):238–243, December 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Campbell:1957:UHE

[73] L. Lorne Campbell. On the use of Hermite expansions in noise problems. *Journal of the Society for Industrial and Applied Mathematics*, 5(4):244–249, December 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Brauer:1957:MCG

[74] Alfred Brauer. A method for the computation of the greatest root of a positive matrix. *Journal of the Society for Industrial and Applied Mathematics*, 5 (4):250–253, December 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Salzer:1957:NMI

[75] Herbert E. Salzer. Note on multivariate interpolation for unequally spaced arguments, with an application to double summation. *Journal of the Society for Industrial and Applied Mathematics*, 5(4):254–262, December 1957. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fagen:1958:RWR

[76] R. E. Fagen and T. A. Lehrer. Random walks with restraining barrier as applied to the biased binary counter. *Journal of the Society for Industrial and Applied Mathematics*, 6(1):1–14, March 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kelley:1958:ALP

[77] James E. Kelley, Jr. An application of linear programming to curve fitting. *Journal of the Society for Industrial and Applied Mathematics*, 6(1):15–22, March 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dimsdale:1958:NCC

[78] B. Dimsdale. The non-convergence of a characteristic root method. *Journal*

of the Society for Industrial and Applied Mathematics, 6(1):23–25, March 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Givens:1958:CPU

[79] Wallace Givens. Computation of plane unitary rotations transforming a general matrix to triangular form. *Journal of the Society for Industrial and Applied Mathematics*, 6(1):26–50, March 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hestenes:1958:IMB

[80] Magnus R. Hestenes. Inversion of matrices by biorthogonalization and related results. *Journal of the Society for Industrial and Applied Mathematics*, 6(1): 51–90, March 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lanczos:1958:ISL

[81] C. Lanczos. Iterative solution of large-scale linear systems. *Journal of the Society for Industrial and Applied Mathematics*, 6(1):91–109, March 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wittmeyer:1958:NMD

[82] H. Wittmeyer. A new method for developing simple formulae for the eigenvalues of linear ordinary self-adjoint differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 6(2):111–143, June 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Henrici:1958:SCC

[83] Peter Henrici. On the speed of convergence of cyclic and quasicyclic Jacobi methods for computing eigenvalues of Hermitian matrices. *Journal of the Society for Industrial and Applied Mathematics*, 6(2):144–162, June 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Tarnove:1958:DEM

[84] Ivin Tarnove. Determination of eigenvalues of matrices having polynomial elements. *Journal of the Society for Industrial and Applied Mathematics*, 6(2): 163–171, June 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Causey:1958:CEN

[85] Robert L. Causey. Computing eigenvalues of non-Hermitian matrices by methods of Jacobi type. *Journal of the Society for Industrial and Applied Mathematics*, 6(2):172–181, June 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gregory:1958:RUL

[86] Robert T. Gregory. Results using Lanczos' method for finding eigenvalues of arbitrary matrices. *Journal of the Society for Industrial and Applied Mathematics*, 6(2):182–188, June 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Householder:1958:CMI

[87] Alston S. Householder. A class of methods for inverting matrices. *Journal of the Society for Industrial and Applied Mathematics*, 6(2):189–195, June 1958. CO-

DEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cole:1958:ACN

[88] K. S. Cole, H. A. Antosiewicz, and P. Rabinowitz. Automatic computation of nerve excitation, correction. *Journal of the Society for Industrial and Applied Mathematics*, 6(2):196–197, June 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kochen:1958:MFI

[89] Manfred Kochen. A mathematical formulation of influence distributions in decision-making groups. *Journal of the Society for Industrial and Applied Mathematics*, 6(3):199–208, September 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Weinitschke:1958:NTS

[90] Hubertus J. Weinitschke. On the nonlinear theory of shallow spherical shells. *Journal of the Society for Industrial and Applied Mathematics*, 6(3):209–232, September 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cheney:1958:NPZ

[91] Ward Cheney and Allen A. Goldstein. Note on a paper by Zuhovickiĭ concerning the Tchebycheff problem for linear equations: [“An Algorithm for the Solution of the Çebyšev Approximation Problem in the Case of a Finite System of Incompatible Linear Equations”, Doklady Akad. Nauk SSSR (N.S.), **79** (1951), pp, 561–564; Math. Rev. **13** (1952), p. 285]. *Journal of the Society for Industrial and Applied Mathematics*, 6(3):233–239, September 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bridgland:1958:NNI

[92] T. F. Bridgland, Jr. A note on numerical integrating operators. *Journal of the Society for Industrial and Applied Mathematics*, 6(3):240–256, September 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lehman:1958:SRR

[93] R. Sherman Lehman and George H. Weiss. A study of the restricted random walk. *Journal of the Society for Industrial and Applied Mathematics*, 6(3):257–278, September 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Osborne:1958:AMD

[94] Elmer E. Osborne. On acceleration and matrix deflation processes used with the power method. *Journal of the Society for Industrial and Applied Mathematics*, 6(3):279–287, September 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Thacher:1958:GCR

[95] Henry C. Thacher, Jr. Generalization of concepts related to linear dependence. *Journal of the Society for Industrial and Applied Mathematics*, 6(3):288–299, September 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Whaples:1958:NDI

[96] G. Whaples. A note on degree-n independence. *Journal of the Society for Industrial and Applied Mathematics*, 6(3):300–301, September 1958. CODEN

JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Maradudin:1958:DLP

[97] Alexei Maradudin and George H. Weiss. The disordered lattice problem: A review. *Journal of the Society for Industrial and Applied Mathematics*, 6(3): 302–319, September 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gerstenhaber:1958:SMT

[98] Murray Gerstenhaber. A solution method for the transportation problem. *Journal of the Society for Industrial and Applied Mathematics*, 6(4): 321–334, December 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Guderley:1958:NEP

[99] K. G. Guderley. On nonlinear eigenvalue problems for matrices. *Journal of the Society for Industrial and Applied Mathematics*, 6(4):335–353, December 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Birkhoff:1958:RCN

[100] Garrett Birkhoff and Richard S. Varga. Reactor criticality and nonnegative matrices. *Journal of the Society for Industrial and Applied Mathematics*, 6(4): 354–377, December 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [132].

Frank:1958:CEC

[101] Werner L. Frank. Computing eigenvalues of complex matrices by determinant evaluation and by methods of Danilewski and Wielandt. *Journal of the Society for Industrial and Applied Mathematics*, 6(4):378–392, December 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

White:1958:CEE

[102] Paul A. White. The computation of eigenvalues and eigenvectors of a matrix. *Journal of the Society for Industrial and Applied Mathematics*, 6(4): 393–437, December 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bauer:1958:MCM

[103] W. F. Bauer. The Monte Carlo method. *Journal of the Society for Industrial and Applied Mathematics*, 6(4):438–451, December 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Keller:1958:AST

[104] Herbert B. Keller. Approximate solutions of transport problems — part I: Steady-state, elastic scattering in plane and spherical geometry. *Journal of the Society for Industrial and Applied Mathematics*, 6(4):452–465, December 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Newman:1958:EMI

[105] Morris Newman and John Todd. The evaluation of matrix inversion programs. *Journal of the Society for Industrial and Applied Mathematics*, 6(4):466–476, December 1958. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Pawlak:1959:DNT

[106] Zdzislaw Pawlak. Decoding nets and the theory of graphs. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):1–5, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Leipnik:1959:IEB

[107] Roy Leipnik. Integral equations, biorthonormal expansions, and noise. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):6–30, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Zierler:1959:LRS

[108] Neal Zierler. Linear recurring sequences. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):31–48, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Weinberger:1959:EBF

[109] H. F. Weinberger. Error bounds in finite-difference approximation to solutions of symmetric hyperbolic systems. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):49–75, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Grosswald:1959:TUN

[110] Emil Grosswald. Transformations useful in numerical integration methods. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):76–84, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ehlers:1959:MCI

[111] F. Edward Ehlers. The method of characteristics for isoenergetic supersonic flows adapted to high-speed digital computers. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):85–100, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Putnam:1959:SIH

[112] C. R. Putnam. On the stability intervals of the Hill equation. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):101–106, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bauer:1959:SRT

[113] F. L. Bauer. Sequential reduction to tridiagonal form. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):107–113, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rogers:1959:PTT

[114] Hartley Rogers, Jr. The present theory of Turing machine computability. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):114–130, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Weisfeld:1959:RPR

[115] Morris Weisfeld. A remark on a paper of R. T. Gregory. *Journal of the Society for Industrial and Applied Mathematics*, 7(1):131, March 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rice:1959:CAB

[116] J. R. Rice. On the convergence of an algorithm for best Tchebycheff approximations. *Journal of the Society for Industrial and Applied Mathematics*, 7(2): 133–142, June 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Baker:1959:NDN

[117] George A. Baker, Jr. A new derivation of Newton's identities and their application to the calculation of the eigenvalues of a matrix. *Journal of the Society for Industrial and Applied Mathematics*, 7(2): 143–148, June 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wilf:1959:MIA

[118] Herbert S. Wilf. Matrix inversion by the annihilation of rank. *Journal of the Society for Industrial and Applied Mathematics*, 7(2):149–151, June 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Swerling:1959:PEW

[119] P. Swerling. Parameter estimation for waveforms in additive Gaussian noise. *Journal of the Society for Industrial and Applied Mathematics*, 7(2):152–166, June 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lees:1959:ASP

[120] Milton Lees. Approximate solutions of parabolic equations. *Journal of the Society for Industrial and Applied Mathematics*, 7(2):167–183, June 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Trench:1959:EMS

[121] William F. Trench. On an explicit method for the solution of a Stefan problem. *Journal of the Society for Industrial and Applied Mathematics*, 7(2): 184–204, June 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Blum:1959:BEL

[122] Marvin Blum and Hirsch Gottschalk. On the bias errors of least squares digital filters. *Journal of the Society for Industrial and Applied Mathematics*, 7(2): 205–214, June 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Breakwell:1959:OT

[123] John V. Breakwell. The optimization of trajectories. *Journal of the Society for Industrial and Applied Mathematics*, 7 (2):215–247, June 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Erdelyi:1959:IS

[124] A. Erdélyi. Introductory statement. *Journal of the Society for Industrial and Applied Mathematics*, 7(3):249–252, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

vanderCorput:1959:N

[125] J. G. van der Corput. Neutrices. *Journal of the Society for Industrial and Applied Mathematics*, 7(3):253–279, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Friedman:1959:SPN

[126] B. Friedman. Stationary phase with neighboring critical points. *Journal of the Society for Industrial and Applied Mathematics*, 7(3):280–289, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hull:1959:SIE

[127] T. E. Hull. On some integral equations with unbounded eigenvalues. *Journal of the Society for Industrial and Applied Mathematics*, 7(3):290–297, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Langer:1959:ATL

[128] Rudolph E. Langer. Asymptotic theories for linear ordinary differential equations depending upon a parameter. *Journal of the Society for Industrial and Applied Mathematics*, 7(3):298–305, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Olver:1959:LDE

[129] F. W. J. Olver. Linear differential equations of the second order with a large parameter. *Journal of the Society for Industrial and Applied Mathematics*, 7 (3):306–310, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Turrittin:1959:SSS

[130] H. L. Turrittin and W. A. Harris, Jr. Standardization and simplification of systems of linear differential equations involving a turning point. *Journal of the Society for Industrial and Applied Mathematics*, 7(3):316–324, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wyman:1959:ABL

[131] Max Wyman. The asymptotic behavior of the Laurent coefficients. *Journal of the Society for Industrial and Applied Mathematics*, 7(3):325–342, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Birkhoff:1959:ERC

[132] Garrett Birkhoff and Richard S. Varga. Errata: "Reactor Criticality and Non-negative Matrices" [J. SIAM **6** (1958), no. 4, 354–377]. *Journal of the Society for Industrial and Applied Mathematics*, 7(3):343, September 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [100].

Salzer:1959:BAM

[133] Herbert E. Salzer. Best approximation of mixed type. *Journal of the Society for Industrial and Applied Mathematics*, 7(4):345–360, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Conte:1959:NIO

[134] S. D. Conte and J. W. Miles. On the numerical integration of the Orr–Sommerfeld equation. *Journal of the Society for Industrial and Applied Mathematics*, 7(4):361–366, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Flanagan:1959:ERC

[135] Czerna Flanagan and J. E. Maxfield. Estimates of the roots of certain polynomials. *Journal of the Society for Industrial and Applied Mathematics*, 7(4): 367–373, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Grenander:1959:DQF

[136] ULF Grenander, H. O. Pollak, and D. Slepian. The distribution of quadratic forms in normal variates: A small sample theory with applications to spectral analysis. *Journal of the Society for Industrial and Applied Mathematics*, 7(4): 374–401, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hull:1959:EBF

[137] T. E. Hull and A. C. R. Newbery. Error bounds for a family of three-point integration procedures. *Journal of the Society for Industrial and Applied Mathematics*, 7(4):402–412, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gilbert:1959:OSS

[138] E. N. Gilbert. Optimal search strategies. *Journal of the Society for Industrial and Applied Mathematics*, 7(4): 413–424, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Radok:1959:MFE

[139] J. R. M. Radok. Method of functional extrapolation for the numerical integration of ordinary differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 7(4): 425–430, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bridgland:1959:LAF

[140] T. F. Bridgland, Jr. A linear algebraic formulation of the theory of sampled-data control. *Journal of the Society for Industrial and Applied Mathematics*, 7 (4):431–446, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fitzhugh:1959:ACN

[141] R. Fitzhugh and H. A. Antosiewicz. Automatic computation of nerve excitation — detailed corrections and additions. *Journal of the Society for Industrial and Applied Mathematics*, 7(4): 447–458, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ablow:1959:ISD

[142] C. M. Ablow and C. L. Perry. Iterative solutions of the Dirichlet problem for $\Delta u = u^2$. *Journal of the Society for Industrial and Applied Mathematics*, 7 (4):459–467, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Chang:1959:NSS

[143] K. T. Chang. On the numerical solution of simultaneous linear differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 7 (4):468–472, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Boyer:1959:IDE

[144] R. H. Boyer. An integro-differential equation for a Markov process. *Journal of the Society for Industrial and Applied Mathematics*, 7(4):473–486, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Akers:1959:TBF

[145] Sheldon B. Akers, Jr. On a theory of Boolean functions. *Journal of the Society for Industrial and Applied Mathematics*, 7(4):487–498, December 1959. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bauer:1960:A

[146] Friedrich L. Bauer. The g-algorithm. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):1–17, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Salzer:1960:HGO

[147] Herbert E. Salzer. Hermite's general osculatory interpolation formula and a finite difference analogue. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):18–27, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Brown:1960:MST

[148] J. L. Brown, Jr. Mean square truncation error in series expansions of random functions. *Journal of the Society for Industrial and Applied Mathematics*, 8(1): 28–32, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Thacher:1960:ISV

[149] Henry C. Thacher, Jr. and W. E. Milne. Interpolation in several variables. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):33–42, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Keller:1960:AST

[150] Herbert B. Keller. Approximate solutions of transport problems. II. convergence and applications of the discrete ordinate method. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):43–73, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Blair:1960:PSU

[151] K. W. Blair and W. S. Loud. Periodic solutions of $x'' + cx' + g(x) = Ef(t)$ under variation of certain parameters. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):74–101, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Boyell:1960:ATS

[152] Roger L. Boyell. Analysis of time-sharing in digital computers. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):102–124, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Drenick:1960:MAR

[153] R. F. Drenick. Mathematical aspects of the reliability problem. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):125–149, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Heller:1960:SSA

[154] J. Heller. Simultaneous, successive and alternating direction iteration schemes. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):150–173, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Tauber:1960:DEC

[155] Selmo Tauber and Donald Dean. On difference equations containing step and delta functions. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):174–180, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rosen:1960:GPM

[156] J. B. Rosen. The gradient projection method for nonlinear programming. part I. linear constraints. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):181–217, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dimsdale:1960:CRM

[157] B. Dimsdale. Characteristic roots of a matric polynomial. *Journal of the Society for Industrial and Applied Mathematics*, 8(1):218–223, March 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Shapiro:1960:AFS

[158] Harold S. Shapiro and Richard A. Silverman. Alias-free sampling of random noise. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):225–248, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lewis:1960:TRI

[159] J. A. Lewis and T. D. Riney. Temperature rise in an infinite medium heated by a planar source. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):249–271, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Anselone:1960:PES

[160] Philip M. Anselone. Persistence of an effect of a success in a Bernoulli sequence. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):272–279, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Arrow:1960:SGP

[161] Kenneth J. Arrow and Leonid Hurwicz. Stability of the gradient process in n-person games. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):280–294, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Weiss:1960:TFB

[162] Lionel Weiss. A test of fit based on the largest sample spacing. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):295–299, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See erratum [239].

Reed:1960:PCC

[163] I. S. Reed and G. Solomon. Polynomial codes over certain finite fields. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):300–304, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Struble:1960:DSI

[164] Raimond A. Struble. Differentiation of singular integrals of Cauchy type. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):305–308, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kelly:1960:DREa

[165] E. J. Kelly, I. S. Reed, and W. L. Root. The detection of radar echoes in noise. *Journal of the Society for Industrial and Applied Mathematics*, 8(2): 309–341, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Stewart:1960:NES

[166] Charles E. Stewart. On the numerical evaluation of singular integrals of Cauchy type. *Journal of the Society for Industrial and Applied Mathematics*, 8 (2):342–353, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Roe:1960:AMT

[167] Glenn M. Roe. An accurate method for terminating asymptotic series. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):354–367, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Katz:1960:SME

[168] Stanley Katz. A stochastic model for emulsion polymerization. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):368–375, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Parter:1960:EEC

[169] S. Parter. On the eigenvalues and eigenvectors of a class of matrices. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):376–388, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Johnson:1960:PEC

[170] M. W. Johnson and E. Reissner. Parametric expansions for a class of boundary value problems of partial differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 8(2): 389–396, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Mills:1960:EPF

[171] Harlan Mills. Equilibrium points in finite games. *Journal of the Society for Industrial and Applied Mathematics*, 8(2): 397–402, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wachspress:1960:ADI

[172] E. L. Wachspress and G. J. Habetler. An alternating-direction-implicit iteration technique. *Journal of the Society for Industrial and Applied Mathematics*, 8(2):403–424, June 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dreyfus:1960:GER

[173] Stuart E. Dreyfus. A generalized equipment replacement study. *Journal of the Society for Industrial and Applied Mathematics*, 8(3):425–435, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

McKinney:1960:MED

[174] Wilbur T. McKinney. Matrix equations for the determination of beam natural frequencies. *Journal of the Society for Industrial and Applied Mathematics*, 8 (3):436–457, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Loeb:1960:ACA

[175] Henry L. Loeb. Algorithms for Chebyshev approximations using the ratio of linear forms. *Journal of the Society for Industrial and Applied Mathematics*, 8 (3):458–465, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sinden:1960:RED

[176] Frank W. Sinden. The replacement and expansion of durable equipment. *Journal of the Society for Industrial and Applied Mathematics*, 8(3):466–480, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kelly:1960:DREb

[177] E. J. Kelly, I. S. Reed, and W. L. Root. The detection of radar echoes in noise. *Journal of the Society for Industrial and Applied Mathematics*, 8(3): 481–507, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wendroff:1960:CDO

[178] Burton Wendroff. On the convergence of the discrete ordinate method. *Journal of the Society for Industrial and Applied Mathematics*, 8(3):508–513, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gerstenhaber:1960:PFZ

[179] M. Gerstenhaber. A procedure for finding a zero of a vector-valued function with certain monotonicity properties. *Journal of the Society for Industrial and Applied Mathematics*, 8(3): 514–517, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lees:1960:GP

[180] Milton Lees. The Goursat problem. *Journal of the Society for Industrial and Applied Mathematics*, 8(3):518–530, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bridgland:1960:NNI

[181] T. F. Bridgland, Jr. A note on numerical integrating operators. II. *Journal of the Society for Industrial and Applied Mathematics*, 8(3):531–536, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wilf:1960:MSN

[182] Herbert S. Wilf. Maximally stable numerical integration. *Journal of the Society for Industrial and Applied Mathematics*, 8(3):537–540, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Franklin:1960:RFA

[183] J. N. Franklin. The range of a fleet of aircraft. *Journal of the Society for Industrial and Applied Mathematics*, 8(3): 541–548, September 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wendroff:1960:CDE

[184] Burton Wendroff. On centered difference equations for hyperbolic systems. *Journal of the Society for Industrial and Applied Mathematics*, 8(3):549–555, September 1960. CODEN JSIMAV.

ISSN 0368-4245 (print), 2168-3484 (electronic).

Moore:1960:EER

[185] John T. Moore. An extension of an early result of stieltjes. *Journal of the Society for Industrial and Applied Mathematics*, 8(4):557–559, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Keller:1960:PCD

[186] Herbert B. Keller. On the pointwise convergence of the discrete-ordinate method. *Journal of the Society for Industrial and Applied Mathematics*, 8(4): 560–567, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rauch:1960:ISA

[187] L. M. Rauch and W. C. Riddell. The iterative solutions of the analytical N-body problem. *Journal of the Society for Industrial and Applied Mathematics*, 8(4):568–581, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bellman:1960:BP

[188] Richard Bellman and Robert Kalaba. On k th best policies. *Journal of the Society for Industrial and Applied Mathematics*, 8(4):582–588, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sedney:1960:NDS

[189] R. Sedney, N. Gerber, and J. M. Bartos. Numerical determination of streamlines from density data. *Journal of the Society for Industrial and Applied Mathematics*, 8(4):589–610, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Karlin:1960:OPD

[190] Samuel Karlin. Optimal policy for dynamic inventory process with stochastic demands subject to seasonal variations. *Journal of the Society for Industrial and Applied Mathematics*, 8(4): 611–629, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wilkins:1960:MMT

[191] J. Ernest Wilkins, Jr. Minimum-mass thin fins which transfer heat only by radiation to surroundings at absolute zero. *Journal of the Society for Industrial and Applied Mathematics*, 8(4): 630–639, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Albert:1960:SMP

[192] G. E. Albert. Statistical methods in prediction, filtering, and detection problems. *Journal of the Society for Industrial and Applied Mathematics*, 8(4): 640–653, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kellogg:1960:SIL

[193] R. Bruce Kellogg and L. C. Noderer. Scaled iterations and linear equations. *Journal of the Society for Industrial and Applied Mathematics*, 8(4):654–661, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Beutler:1960:AWO

[194] Frederick J. Beutler. Approximations to Wiener optimum filters and predictors. *Journal of the Society for Industrial and Applied Mathematics*, 8(4): 662–679, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [238].

Drenick:1960:FLC

[195] R. F. Drenick. The failure law of complex equipment. *Journal of the Society for Industrial and Applied Mathematics*, 8(4):680–690, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rice:1960:CA

[196] John R. Rice. Chebyshev approximation by $^*ab^x + c$. *Journal of the Society for Industrial and Applied Mathematics*, 8 (4):691–702, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kelley:1960:CPM

[197] J. E. Kelley, Jr. The cutting-plane method for solving convex programs. *Journal of the Society for Industrial and Applied Mathematics*, 8(4):703–712, December 1960. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lemke:1961:CGM

[198] C. E. Lemke. The constrained gradient method of linear programming. *Journal of the Society for Industrial and Applied Mathematics*, 9(1):1–17, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fulkerson:1961:KMM

[199] D. R. Fulkerson. An out-of-kilter method for minimal-cost flow problems. *Journal of the Society for Industrial and Applied Mathematics*, 9(1):18–27, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Morrison:1961:DEP

[200] D. D. Morrison. The deflation of eigenvalue problems with second-order ordinary differential operators. *Journal of the Society for Industrial and Applied Mathematics*, 9(1):28–30, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hull:1961:IPW

[201] T. E. Hull and A. C. R. Newbery. Integration procedures which minimize propagated errors. *Journal of the Society for Industrial and Applied Mathematics*, 9(1):31–47, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fleischer:1961:NRU

[202] Isidore Fleischer. Numerical representation of utility. *Journal of the Society for Industrial and Applied Mathematics*, 9 (1):48–50, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dorn:1961:SDQ

[203] W. S. Dorn. Self-dual quadratic programs. *Journal of the Society for Industrial and Applied Mathematics*, 9(1): 51–54, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Jewell:1961:OSE

[204] James G. Jewell. Ordering systems of equations. *Journal of the Society for Industrial and Applied Mathematics*, 9(1): 55–71, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Balinski:1961:AFA

[205] M. L. Balinski. An algorithm for finding all vertices of convex polyhedral sets. *Journal of the Society for Industrial and Applied Mathematics*, 9(1):72–88, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Householder:1961:DM

[206] A. S. Householder. On deflating matrices. *Journal of the Society for Industrial and Applied Mathematics*, 9(1): 89–93, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Squire:1961:SAQ

[207] William Squire. Some applications of quadrature by differentiation. *Journal of the Society for Industrial and Applied Mathematics*, 9(1):94–108, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Greville:1961:NFF

[208] T. N. E. Greville. Note on fitting of functions of several independent variables. *Journal of the Society for Industrial and Applied Mathematics*, 9(1): 109–115, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See erratum [225].

Myers:1961:TTM

[209] B. R. Myers. Two theorems in multiweighted sums. *Journal of the Society for Industrial and Applied Mathematics*, 9(1):116–126, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rouse:1961:MNC

[210] Carl A. Rouse. A method for the numerical calculation of hydrodynamic flow and radiation diffusion by implicit differencing. *Journal of the Society for Industrial and Applied Mathematics*, 9 (1):127–135, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wright:1961:SCR

[211] E. M. Wright. Stability criteria and the real roots of a transcendental equation. *Journal of the Society for Industrial and Applied Mathematics*, 9(1): 136–148, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ehrlich:1961:FDT

[212] Louis W. Ehrlich, James D. Riley, W. Gilbert Strang, and B. Andreas Troesch. Finite-difference techniques for a boundary problem with an eigenvalue in a boundary condition. *Journal of the Society for Industrial and Applied Mathematics*, 9(1):149–164, March 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Howland:1961:GCF

[213] James Lucien Howland and Remi Vaillancourt. A generalized curve-fitting

procedure. *Journal of the Society for Industrial and Applied Mathematics*, 9(2): 165–168, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rosenstock:1961:RWS

[214] Herbert B. Rosenstock. Random walks with spontaneous emission. *Journal of the Society for Industrial and Applied Mathematics*, 9(2):169–188, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [296].

Bellar:1961:ISL

[215] Fred J. Bellar, Jr. An iterative solution of large-scale systems of simultaneous linear equations. *Journal of the Society for Industrial and Applied Mathematics*, 9(2):189–193, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wilkins:1961:MMT

[216] J. Ernest Wilkins, Jr. Minimum mass thin fins with specified minimum thickness. *Journal of the Society for Industrial and Applied Mathematics*, 9(2): 194–206, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gorenstein:1961:CEC

[217] Daniel Gorenstein and Neal Zierler. A class of error-correcting codes in p^m symbols. *Journal of the Society for Industrial and Applied Mathematics*, 9(2): 207–214, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wax:1961:PMT

[218] Nelson Wax. On a phase method for treating Sturm–Liouville equations and problems. *Journal of the Society for Industrial and Applied Mathematics*, 9(2): 215–232, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ponstein:1961:MDN

[219] J. Ponstein. Matrix description of networks. *Journal of the Society for Industrial and Applied Mathematics*, 9(2): 233–268, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Richards:1961:RVL

[220] Paul B. Richards. Representation by vortex-like singularities of obstacle flow in a straight channel. *Journal of the Society for Industrial and Applied Mathematics*, 9(2):269–281, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Salzer:1961:IFN

[221] Herbert E. Salzer. An interpolation formula for "Nearly-Odd" functions, with an application to the summation of even functions. *Journal of the Society for Industrial and Applied Mathematics*, 9(2): 282–287, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rall:1961:NMC

[222] L. B. Rall. Newton's method for the characteristic value problem $Ax = \lambda Bx$. *Journal of the Society for Industrial and Applied Mathematics*, 9(2): 288–293, June 1961. CODEN JSIMAV.

ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [270].

OCallaghan:1961:DCP

[223] T. O'Callaghan. The design of a computer program to determine the natural frequencies and normal modes of vibration of an in-line mechanical system of springs and masses. *Journal of the Society for Industrial and Applied Mathematics*, 9(2):294–310, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wouk:1961:OUF

[224] Arthur Wouk. On optimum utilization of faulty channels. *Journal of the Society for Industrial and Applied Mathematics*, 9(2):311–316, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Greville:1961:ENF

[225] T. N. E. Greville. Erratum: "Note on Fitting Functions of Several Independent Variables" [J. SIAM **9** (1961), no. 1, 109–115]. *Journal of the Society for Industrial and Applied Mathematics*, 9 (2):317, June 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [208].

Butler:1961:PSS

[226] John B. Butler, Jr. On the perturbation series solution for the deflection of a semi-infinite vibrating bar on an elastic foundation. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):319–333, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Parr:1961:ULB

[227] Wallace E. Parr. Upper and lower bounds for the capacitance of the regular solids. *Journal of the Society for Industrial and Applied Mathematics*, 9 (3):334–386, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Foster:1961:AWK

[228] Manus Foster. An application of the Wiener-Kolmogorov smoothing theory to matrix inversion. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):387–392, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Moore:1961:NAE

[229] John T. Moore. Note on asymptotic expansions of modified Bessel functions. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):393–394, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Corrsin:1961:CLS

[230] S. Corrsin and O. M. Phillips. Contour length and surface area of multiple-valued random variables. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):395–404, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Trench:1961:GCD

[231] William F. Trench. A general class of discrete time-invariant filters. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):405–421, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Melzak:1961:PMC

[232] Z. A. Melzak. Plane motion with curvature limitations. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):422–432, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Douglas:1961:III

[233] Jim Douglas, Jr. On incomplete iteration for implicit parabolic difference equations. *Journal of the Society for Industrial and Applied Mathematics*, 9 (3):433–439, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Berman:1961:GNC

[234] Gerald Berman. A generalization of Nyquist's criterion to the stability of active linear systems. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):440–454, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Tu:1961:LVB

[235] Yih-O Tu and George Handelman. Lateral vibrations of a beam under initial linear axial stress. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):455–473, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

VanGelder:1961:MTM

[236] A. Van Gelder, E. Beltram, and H. Munick. On minimum-time minimum-fuel rendezvous. *Journal of the Society for Industrial and Applied Mathematics*, 9 (3):474–480, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wolfe:1961:ACP

[237] Philip Wolfe. Accelerating the cutting plane method for nonlinear programming. *Journal of the Society for Industrial and Applied Mathematics*, 9(3): 481–488, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Beutler:1961:EAW

[238] Frederick J. Beutler. Errata: "Approximations to Wiener Optimum Filters and Predictors" [J. SIAM **8** (1960), no. 4, 662–679]. *Journal of the Society for Industrial and Applied Mathematics*, 9(3): 488, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [194].

Weiss:1961:ETF

[239] Lionel Weiss. Erratum: "A Test of Fit Based on the Largest Sample Spacing" [J. SIAM **8** (1960), no. 2, 295–299]. *Journal of the Society for Industrial and Applied Mathematics*, 9(3):488, September 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [162].

Galletly:1961:NMB

[240] G. D. Galletly, W. T. Kyner, and C. E. Moller. Numerical methods and the bending of ellipsoidal shells. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):489–513, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rosen:1961:GPM

[241] J. B. Rosen. The gradient projection method for nonlinear programming. part II. nonlinear constraints. *Journal of*

the Society for Industrial and Applied Mathematics, 9(4):514–532, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gilbert:1961:RPN

[242] E. N. Gilbert. Random plane networks. *Journal of the Society for Industrial and Applied Mathematics*, 9(4): 533–543, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Aumann:1961:ASC

[243] Robert J. Aumann. Almost strictly competitive games. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):544–550, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gomory:1961:MTN

[244] R. E. Gomory and T. C. Hu. Multi-terminal network flows. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):551–570, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rice:1961:ACA

[245] John R. Rice. Algorithms for Chebyshev approximation by $ab^x + c$. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):571–583, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Heaslet:1961:DFS

[246] Max A. Heaslet and Alberta Alksne. Diffusion from a fixed surface with a concentration-dependent coefficient. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):584–596, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wouk:1961:DDR

[247] Arthur Wouk. On digit distributions for random variables. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):597–603, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Pyne:1961:EPI

[248] I. B. Pyne and E. J. McCluskey, Jr. An essay on prime implicant tables. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):604–631, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Pandit:1961:NMC

[249] S. N. N. Pandit. A new matrix calculus. *Journal of the Society for Industrial and Applied Mathematics*, 9(4): 632–639, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Taussky:1961:GTL

[250] Olga Taussky. A generalization of a theorem of Lyapunov. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):640–643, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Krall:1961:EPR

[251] Allan M. Krall. An extension and proof of the root-locus method. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):644–653, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Mattson:1961:NTB

[252] H. F. Mattson and G. Solomon. A new treatment of bose-chaudhuri codes. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):654–669, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rivlin:1961:UAC

[253] T. J. Rivlin and H. S. Shapiro. A unified approach to certain problems of approximation and minimization. *Journal of the Society for Industrial and Applied Mathematics*, 9(4):670–699, December 1961. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bureau:1962:ABS

[254] F. J. Bureau and E. J. Pellicciaro. Asymptotic behavior of the spectral matrix of the operator of elasticity. *Journal of the Society for Industrial and Applied Mathematics*, 10(1):1–18, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Liu:1962:VPA

[255] Chen-Ya Liu. A variational problem with applications to cooling fins. *Journal of the Society for Industrial and Applied Mathematics*, 10(1):19–29, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Maehly:1962:NSC

[256] Hans J. Maehly. Numerical solution of a certain transcendental equation involving exponentials (A remark on a paper of J. R. Rice). *Journal of the Society for Industrial and Applied Mathematics*, 10(1):30–34, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Williams:1962:TTP

[257] A. C. Williams. A treatment of transportation problems by decomposition. *Journal of the Society for Industrial and Applied Mathematics*, 10(1): 35–48, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Mitchell:1962:RDO

[258] Thomas P. Mitchell and Daniel L. Pope. On the relativistic damped oscillator. *Journal of the Society for Industrial and Applied Mathematics*, 10(1): 49–61, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wilkins:1962:MMT

[259] J. Ernest Wilkins, Jr. Minimum-mass thin fins and constant temperature gradients. *Journal of the Society for Industrial and Applied Mathematics*, 10(1): 62–73, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Eberlein:1962:JLM

[260] P. J. Eberlein. A Jacobi-like method for the automatic computation of eigenvalues and eigenvectors of an arbitrary matrix. *Journal of the Society for Industrial and Applied Mathematics*, 10(1): 74–88, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [282].

Freiberger:1962:RAV

[261] W. Freiberger, M. Rosenblatt, and J. Van Ness. Regression analysis of vector-valued random processes. *Journal of the Society for Industrial and Applied Mathematics*, 10(1):89–102, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Crowell:1962:GLT

[262] R. H. Crowell. Graphs of linear transformations over finite fields. *Journal of the Society for Industrial and Applied Mathematics*, 10(1):103–112, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Max:1962:SSU

[263] Joel Max. Signal sets with uniform correlation properties. *Journal of the Society for Industrial and Applied Mathematics*, 10(1):113–118, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Duffin:1962:DPM

[264] R. J. Duffin. Dual programs and minimum cost. *Journal of the Society for Industrial and Applied Mathematics*, 10 (1):119–123, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Chow:1962:NSC

[265] Tse-Sun Chow and Harold Willis Milnes. Numerical solution of a class of hyperbolic-parabolic partial differential equations by boundary contraction. *Journal of the Society for Industrial and Applied Mathematics*, 10(1): 124–148, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rice:1962:CAE

[266] John R. Rice. Chebyshev approximation by exponentials. *Journal of the Society for Industrial and Applied Mathematics*, 10(1):149–161, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wilkinson:1962:EAE

[267] J. H. Wilkinson. Error analysis of eigenvalue techniques based on orthogonal transformations. *Journal of the Society for Industrial and Applied Mathematics*, 10(1):162–195, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Held:1962:DPA

[268] Michael Held and Richard M. Karp. A dynamic programming approach to sequencing problems. *Journal of the Society for Industrial and Applied Mathematics*, 10(1):196–210, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Marshall:1962:DCG

[269] Clifford W. Marshall. Double correspondence graphs. *Journal of the Society for Industrial and Applied Mathematics*, 10 (1):211–227, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rall:1962:ENM

[270] L. B. Rall. Errata: "Newton's Method for the Characteristic Value Problem $Ax = \lambda Bx$" [J. SIAM **9** (1961), no. 2, 288-293]. *Journal of the Society for Industrial and Applied Mathematics*, 10 (1):228, March 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [222].

Thomee:1962:SDS

[271] Vidar Thomee. A stable difference scheme for the mixed boundary problem for a hyperbolic, first-order system in two dimensions. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):229–245, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Keller:1962:ELS

[272] Herbert B. Keller and Joseph B. Keller. Exponential-like solutions of systems of linear ordinary differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):246–259, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gomory:1962:AGL

[273] R. E. Gomory and T. C. Hu. An application of generalized linear programming to network flows. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):260–283, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Baer:1962:NS

[274] Robert M. Baer and Paul Brock. Natural sorting. *Journal of the Society for Industrial and Applied Mathematics*, 10 (2):284–304, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gilmore:1962:OSA

[275] P. C. Gilmore. Optimal and suboptimal algorithms for the quadratic assignment problem. *Journal of the Society for Industrial and Applied Mathematics*, 10 (2):305–313, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Struble:1962:GPS

[276] Raimond A. Struble and John E. Fletcher. General perturbational solution of the Mathieu equation. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):314–328, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Osborne:1962:CBM

[277] Elmer E. Osborne. Computations of bending modes and mode shapes of single and double beams. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):329–338, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wachspress:1962:OAD

[278] E. L. Wachspress. Optimum alternating-direction-implicit iteration parameters for a model problem. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):339–350, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hull:1962:CFM

[279] T. E. Hull and A. C. R. Newbery. Corrector formulas for multi-step integration methods. *Journal of the Society for Industrial and Applied Mathematics*, 10 (2):351–369, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bramble:1962:BDD

[280] J. H. Bramble and L. E. Payne. Bounds for derivatives in the Dirichlet problem

for Poisson's equation. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):370–380, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Doyle:1962:DCN

[281] Worthie Doyle, J. A. McFadden, and Imanuel Marx. The distribution of a certain nonlinear functional of an Ornstein–Uhlenbeck process. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):381–393, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Eberlein:1962:EJL

[282] P. J. Eberlein. Errata: "A Jacobi-like Method for the Automatic Computation of Eigenvalues and Eigenvectors" [J. SIAM **9** (1961), no. 2, 288-293]. *Journal of the Society for Industrial and Applied Mathematics*, 10(2):393, June 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [260].

Bather:1962:ORP

[283] J. A. Bather. Optimal regulation policies for finite dams. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):395–423, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Greenfield:1962:USI

[284] Harvey Greenfield. Use of the Stodola iteration process in a Sturm–Liouville type problem with variable coefficients. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):424–441, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Levinson:1962:EPR

[285] Norman Levinson. Emission probability in a random walk. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):442–447, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rudd:1962:ORA

[286] Dale F. Rudd. On optimal resource allocation in multistage feedback processes. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):448–453, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Putzer:1962:RGS

[287] Eugene J. Putzer. The rate of growth of solutions of a second-order differential equation. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):454–468, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fu:1962:NRC

[288] Y. Fu and S. S. Yau. A note on the reliability of communication networks. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):469–474, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Brown:1962:NSB

[289] Robert R. Brown. Numerical solution of boundary value problems using nonuniform grids. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):475–495, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hakimi:1962:RSI

[290] S. L. Hakimi. On realizability of a set of integers as degrees of the vertices of a linear graph. I. *Journal of the Society for Industrial and Applied Mathematics*, 10 (3):496–506, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wong:1962:PES

[291] E. Wong and J. B. Thomas. On polynomial expansions of second-order distributions. *Journal of the Society for Industrial and Applied Mathematics*, 10 (3):507–516, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Miracle:1962:AST

[292] Chester L. Miracle. Approximate solutions of the telegrapher's equation by difference-equation methods. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):517–527, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Blattner:1962:BM

[293] J. W. Blattner. Bordered matrices. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):528–536, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rosenblatt:1962:OMC

[294] M. Rosenblatt and D. Slepian. N th order Markov chains with every N variables independent. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):537–549, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bellman:1962:MPM

[295] Richard Bellman and William Karush. Mathematical programming and the maximum transform. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):550–567, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rosenstock:1962:ERW

[296] Herbert B. Rosenstock. Errata: "Random Walks with Spontaneous Emission" [J. SIAM **9** (1961), no. 2, 169–188]. *Journal of the Society for Industrial and Applied Mathematics*, 10(3):567, September 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [214].

deSanto:1962:NST

[297] Daniel F. de Santo and Herbert B. Keller. Numerical studies of transition from laminar to turbulent flow over a flat plate. *Journal of the Society for Industrial and Applied Mathematics*, 10 (4):569–595, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Reiss:1962:SBT

[298] Edward L. Reiss. Symmetric bending of thick circular plates. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):596–609, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lees:1962:ADM

[299] Milton Lees. Alternating direction methods for hyperbolic differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):

610–616, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Atta:1962:NEN

[300] Susie E. Atta and John A. Harvey. Numerical estimation of neutron resonance parameters. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):617–631, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cord:1962:PCS

[301] Marian S. Cord and Richard J. Sylvester. The property of cross-symmetry. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):632–637, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Jones:1962:SSI

[302] E. E. Jones. Some solutions of an internal-external problem of the third type for a circle. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):638–656, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

McAuley:1962:MRC

[303] Van A. McAuley. A method for the real and complex roots of a polynomial. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):657–667, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Reid:1962:FVC

[304] Walter P. Reid. Free vibrations of a circular plate. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):668–674, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Petryshyn:1962:GOM

[305] W. V. Petryshyn. The generalized overrelaxation method for the approximate solution of operator equations in Hilbert space. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):675–690, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Takacs:1962:CMT

[306] Lajos Takacs. A combinatorial method in the theory of queues. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):691–694, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Tang:1962:RPB

[307] C. L. Tang. On the radiation pattern of a base-driven antenna over a circular conducting screen. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):695–708, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [397].

Curtiss:1962:IHP

[308] J. H. Curtiss. Interpolation by harmonic polynomials. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):709–736, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Chern:1962:GQD

[309] Shiing-Shen Chern. Geometry of a quadratic differential form. *Journal of*

the Society for Industrial and Applied Mathematics, 10(4):751–755, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

McVittie:1962:CCT

[310] G. C. McVittie. The cosmical constant and the time-scale. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):756–767, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Mathews:1962:GMR

[311] Jon Mathews. Gravitational multipole radiation. *Journal of the Society for Industrial and Applied Mathematics*, 10 (4):768–780, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sandage:1962:OTW

[312] Allan Sandage. Observational tests of world models. *Journal of the Society for Industrial and Applied Mathematics*, 10 (4):781–794, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Schiff:1962:GRT

[313] L. I. Schiff. General relativity: Theory and experiment. *Journal of the Society for Industrial and Applied Mathematics*, 10(4):795–801, December 1962. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Konheim:1963:GCT

[314] Alan G. Konheim. A geometric convergence theorem for the perceptron. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):1–14, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rice:1963:ACC

[315] J. R. Rice. Approximation with convex constraints. *Journal of the Society for Industrial and Applied Mathematics*, 11 (1):15–32, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bather:1963:ORD

[316] J. A. Bather. The optimal regulation of dams in continuous time. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):33–63, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Barlow:1963:ORW

[317] Richard E. Barlow, Larry C. Hunter, and Frank Proschan. Optimum redundancy when components are subject to two kinds of failure. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):64–73, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Stone:1963:MBE

[318] Jeremy J. Stone. Multiple-burst error correction with the Chinese Remainder Theorem. *Journal of the Society for Industrial and Applied Mathematics*, 11 (1):74–81, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Williams:1963:MVL

[319] A. C. Williams. Marginal values in linear programming. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):82–94, March 1963. CO-

DEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ahlberg:1963:CPS

[320] J. H. Ahlberg and E. N. Nilson. Convergence properties of the spline fit. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):95–104, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Erdelyi:1963:SPB

[321] A. Erdélyi. Singular perturbations of boundary value problems involving ordinary differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):105–116, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Berman:1963:DSS

[322] Gerald Berman and C. H. Cook. Determination of the stable states of active linear systems with n parameters. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):117–134, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hakimi:1963:RSI

[323] S. L. Hakimi. On realizability of a set of integers as degrees of the vertices of a linear graph II. uniqueness. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):135–147, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See note [467].

Ruiz:1963:UCC

[324] Albert L. Ruiz. Unstable characteristics of a class of functions defined by a linear differential equation with periodic coefficients. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):148–158, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

deBoor:1963:CAA

[325] Carl de Boor and John R. Rice. Chebyshev approximation by $a \prod \frac{x-r_i}{x+s_i}$ and application to Adi iteration. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):159–169, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Guderley:1963:ESE

[326] K. G. Guderley and Mary D. Lum. On the evaluation of strongly enlarged photographs. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):170–182, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dulmage:1963:TAB

[327] A. L. Dulmage and N. S. Mendelsohn. Two algorithms for bipartite graphs. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):183–194, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Douglas:1963:PCM

[328] Jim Douglas, Jr. and B. F. Jones, Jr. On predictor-corrector methods for nonlinear parabolic differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 11(1):195–204, March 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wolfe:1963:TRD

[329] Philip Wolfe. A technique for resolving degeneracy in linear programming. *Journal of the Society for Industrial and Applied Mathematics*, 11(2): 205–211, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Samson:1963:TBFa

[330] E. W. Samson and L. Calabi. On the theory of Boolean formulas: Minimal including sums, I. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):212–223, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Samson:1963:TBFb

[331] E. W. Samson and L. Calabi. On the theory of Boolean formulas: Minimal including sums, II. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):224–234, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kelly:1963:SRM

[332] E. J. Kelly, D. H. Lyons, and W. L. Root. The sensitivity of radiometric measurements. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):235–257, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Harrison:1963:DSM

[333] B. Kent Harrison. A discussion of some mathematical techniques used in Kron's method of tearing. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):258–280, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Henrici:1963:BEC

[334] Peter Henrici. Bounds for eigenvalues of certain tridiagonal matrices. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):281–290, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [440].

Karp:1963:FDS

[335] Richard M. Karp. Functional decomposition and switching circuit design. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):291–335, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Imhof:1963:RQF

[336] J. P. Imhof. Remarks on quadrature formulas. *Journal of the Society for Industrial and Applied Mathematics*, 11(2): 336–341, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Aissen:1963:QDA

[337] Michael I. Aissen. Quasi-dimensional analysis and approximation formulae. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):342–354, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Srinivasan:1963:KME

[338] S. K. Srinivasan. On Katz' model for emulsion polymerization. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):355–359, June 1963. CO-

DEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gersch:1963:MSC

[339] Will Gersch and Robert Ash. Multiple signal counting. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):360–397, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cameron:1963:ANM

[340] I. G. Cameron. The application of the Von Neumann method to a steady one-dimensional detonation wave. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):398–412, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Stern:1963:UNT

[341] M. Stern and M. Stippes. A unified numerical treatment for vibrating beams. *Journal of the Society for Industrial and Applied Mathematics*, 11(2): 413–420, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Roos:1963:ASE

[342] B. W. Roos and W. C. Sangren. Asymptotic solutions and an equiconvergence theorem for a pair of first-order differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 11 (2):421–430, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Marquardt:1963:ALS

[343] Donald W. Marquardt. An algorithm for least-squares estimation of nonlinear parameters. *Journal of the Society for Industrial and Applied Mathematics*, 11 (2):431–441, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Desoer:1963:NP

[344] C. A. Desoer and B. H. Whalen. A note on pseudoinverses. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):442–447, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hansen:1963:CJM

[345] Eldon R. Hansen. On cyclic Jacobi methods. *Journal of the Society for Industrial and Applied Mathematics*, 11 (2):448–459, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Brown:1963:SRJ

[346] William M. Brown. Sampling with random jitter. *Journal of the Society for Industrial and Applied Mathematics*, 11 (2):460–473, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Buchanan:1963:NSCa

[347] Mary Louise Buchanan. A necessary and sufficient condition for stability of difference schemes for second-order initial value problems. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):474–501, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Neuts:1963:MSG

[348] Marcel F. Neuts. A multistage search game. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):

502–507, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Grau:1963:GBP

[349] A. A. Grau. A generalization of the Bairstow process. *Journal of the Society for Industrial and Applied Mathematics*, 11(2):508–519, June 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Calabi:1963:TBF

[350] L. Calabi. On the theory of Boolean formulas: Construction of the set of the formulas of minimal cost. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):521–525, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

John:1963:SSQ

[351] Floyd I. John. Single server queues with dependent service and inter-arrival times. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):526–534, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sinden:1963:DCP

[352] Frank W. Sinden. Duality in convex programming and in projective space. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):535–552, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Haseltine:1963:ETNa

[353] W. R. Haseltine. Existence theorems for nonlinear ballistics. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):553–563, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [439].

Landau:1963:AAS

[354] H. G. Landau. The accuracy of the analog solution of heat conduction problems. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):564–578, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Warga:1963:CPC

[355] J. Warga. A convergent procedure for convex programming. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):579–587, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Warga:1963:MCC

[356] J. Warga. Minimizing certain convex functions. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):588–593, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Warga:1963:CPS

[357] J. Warga. A convergent procedure for solving the thermo-chemical equilibrium problem. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):594–606, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gurtin:1963:RTL

[358] M. E. Gurtin and Eli Sternberg. A reciprocal theorem in the linear theory of anisotropic viscoelastic solids. *Journal*

of the Society for Industrial and Applied Mathematics, 11(3):607–613, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Thacher:1963:NID

[359] Henry C. Thacher, Jr. Numerical integration and differentiation of functions of several independent variables by an iterative procedure. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):614–622, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Nowinski:1963:MVT

[360] J. L. Nowinski. A mean value theorem for an arbitrary steady-state thermoelastic problem for a solid sphere. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):623–631, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wilkins:1963:DIS

[361] J. Ernest Wilkins, Jr. Diffusion in an infinite or semi-infinite medium whose diffusion coefficient depends linearly on the concentration. *Journal of the Society for Industrial and Applied Mathematics*, 11 (3):632–644, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Duffin:1963:DRM

[362] R. J. Duffin and D. Hazony. The degree of a rational matrix function. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):645–658, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Struble:1963:DDP

[363] Raimond A. Struble. A discussion of the Duffing problem. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):659–666, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ben-Israel:1963:CTG

[364] A. Ben-Israel and A. Charnes. Contributions to the theory of generalized inverses. *Journal of the Society for Industrial and Applied Mathematics*, 11(3): 667–699, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Krall:1963:CER

[365] Allan M. Krall. A closed expression for the root locus method. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):700–704, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lehmer:1963:CRS

[366] D. H. Lehmer. The complete root-squaring method. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):705–717, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Morrison:1963:ESP

[367] J. A. Morrison. The exact solution to a planar orbit problem. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):718–731, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Mattson:1963:NAF

[368] H. F. Mattson. A note on the ambiguity function. *Journal of the Society for Industrial and Applied Mathematics*, 11 (3):732–736, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Descloux:1963:NCP

[369] Jean Descloux. Note on convex programming. *Journal of the Society for Industrial and Applied Mathematics*, 11 (3):737–747, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Olver:1963:EBF

[370] F. W. J. Olver. Error bounds for first approximations in turning-point problems. *Journal of the Society for Industrial and Applied Mathematics*, 11(3): 748–772, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lehman:1963:WDT

[371] Alfred Lehman. Wye-delta transformation in probabilistic networks. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):773–805, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Harrison:1963:NTS

[372] Michael A. Harrison. The number of transitivity sets of Boolean functions. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):806–828, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Vinti:1963:ESC

[373] John P. Vinti and Tadeusz Leser. Errata: "The Sums of Certain Series Involving Bessel Functions" [J. SIAM **5** (1957), no. 1, 15–31]. *Journal of the Society for Industrial and Applied Mathematics*, 11(3):829, September 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [58].

Hammersley:1963:PFB

[374] J. M. Hammersley and R. S. Walters. Percolation and fractional branching processes. *Journal of the Society for Industrial and Applied Mathematics*, 11 (4):831–839, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Reiss:1963:EIP

[375] Edward L. Reiss. Extension of an infinite plate with a circular hole. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):840–854, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Witzgall:1963:AIP

[376] Christoph Witzgall. An all-integer programming algorithm with parabolic constraints. *Journal of the Society for Industrial and Applied Mathematics*, 11 (4):855–871, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Jewell:1963:MET

[377] William S. Jewell. Multiple entries in traffic. *Journal of the Society for Industrial and Applied Mathematics*, 11(4): 872–885, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Higgins:1963:IIG

[378] Theodore P. Higgins. An inversion integral for a Gegenbauer transformation. *Journal of the Society for Industrial and Applied Mathematics*, 11(4): 886–893, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Frisch:1963:PPR

[379] H. L. Frisch and J. M. Hammersley. Percolation processes and related topics. *Journal of the Society for Industrial and Applied Mathematics*, 11(4): 894–918, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Buchanan:1963:NSCb

[380] Mary Louise Buchanan. A necessary and sufficient condition for stability of difference schemes for initial value problems. *Journal of the Society for Industrial and Applied Mathematics*, 11(4): 919–935, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Petrich:1963:NOS

[381] Mario Petrich. On the number of orthogonal signals which can be placed in a WT-product. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):936–940, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Siekmann:1963:ARA

[382] J. Siekmann. Analysis of ring aerofoils of elliptic cross section: Part I: General theory. *Journal of the Society for Industrial and Applied Mathematics*, 11 (4):941–963, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Thomee:1963:PCT

[383] Vidar Thomee. A predictor-corrector type scheme for the mixed boundary problem for a hyperbolic first-order system in two dimensions. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):964–975, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kellogg:1963:AAD

[384] R. B. Kellogg. Another alternating-direction-implicit method. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):976–979, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Weisfeld:1963:PON

[385] Morris Weisfeld. Polar orbits of near Earth satellites. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):980–993, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wachspress:1963:EAA

[386] Eugene L. Wachspress. Extended application of alternating direction implicit iteration model problem theory. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):994–1016, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Descloux:1963:ACA

[387] Jean Descloux. Approximations in L^p and Chebyshev approximations. *Journal of the Society for Industrial and Applied*

Mathematics, 11(4):1017–1026, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Carlson:1963:NME

[388] David Carlson. A note on M-matrix equations. *Journal of the Society for Industrial and Applied Mathematics*, 11 (4):1027–1033, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dulmage:1963:CEI

[389] A. L. Dulmage and N. S. Mendelsohn. The characteristic equation of an imprimitive matrix. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):1034–1045, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Griffin:1963:NSP

[390] D. S. Griffin and R. S. Varga. Numerical solution of plane elasticity problems. *Journal of the Society for Industrial and Applied Mathematics*, 11(4): 1046–1062, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See remark [555].

Kelly:1963:QPR

[391] R. J. Kelly and W. A. Thompson, Jr. Quadratic programming in real Hilbert spaces. *Journal of the Society for Industrial and Applied Mathematics*, 11 (4):1063–1070, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Haseltine:1963:ETNb

[392] William R. Haseltine. Existence theorems for nonlinear ballistics part II: Effect of gravity. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):1071–1077, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Barlow:1963:OCP

[393] Richard E. Barlow, Larry C. Hunter, and Frank Proschan. Optimum checking procedures. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):1078–1095, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Clarke:1963:CBL

[394] S. Clarke, A. Krikorian, and J. Rausen. Computing the N best loopless paths in a network. *Journal of the Society for Industrial and Applied Mathematics*, 11 (4):1096–1102, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dulmage:1963:RSO

[395] A. L. Dulmage and N. S. Mendelsohn. Remarks on solutions of the optimal assignment problem. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):1103–1109, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Keller:1963:FAN

[396] Joseph B. Keller. The field of an antena near the center of a large circular disk. *Journal of the Society for Industrial and Applied Mathematics*, 11(4): 1110–1112, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Tang:1963:ERP

[397] C. L. Tang. Errata: “On the Radiation Pattern of a Base-Driven Antenna Over a Circular Conducting Screen” [J. SIAM **10** (1962), no. 4, 695–708]. *Journal of the Society for Industrial and Applied Mathematics*, 11(4):1113, December 1963. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [307].

Hockney:1964:SLE

[398] R. W. Hockney. A solution of Laplace's equation for a round hole in a square peg. *Journal of the Society for Industrial and Applied Mathematics*, 12(1): 1–14, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Erdelyi:1964:IEI

[399] A. Erdélyi. An integral equation involving Legendre functions. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):15–30, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Heller:1964:LPE

[400] I. Heller. On linear programs equivalent to the transportation program. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):31–42, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Jones:1964:FID

[401] G. Stephen Jones. Fundamental inequalities for discrete and discontinuous functional equations. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):43–57, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hochstadt:1964:SCS

[402] Harry Hochstadt. On the stability of certain second order differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 12(1): 58–59, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Putzer:1964:CSN

[403] Eugene J. Putzer. On certain systems of nonlinear differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):60–73, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Shah:1964:SAM

[404] B. V. Shah, R. J. Buehler, and O. Kempthorne. Some algorithms for minimizing a function of several variables. *Journal of the Society for Industrial and Applied Mathematics*, 12(1): 74–92, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Pierre:1964:RFA

[405] Donald A. Pierre. A rational fraction approximation formula for $\exp[-(sD)^{1/2}]$ with applications. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):93–104, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bramble:1964:SMV

[406] J. H. Bramble and L. E. Payne. Some mean value theorems in elastostatics.

Journal of the Society for Industrial and Applied Mathematics, 12(1):105–114, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Turyn:1964:LGL

[407] Richard J. Turyn. The linear generation of the Legendre sequence. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):115–116, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Campbell:1964:CST

[408] L. L. Campbell. A comparison of the sampling theorems of Kramer and Whittaker. *Journal of the Society for Industrial and Applied Mathematics*, 12 (1):117–130, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Harper:1964:OAN

[409] L. H. Harper. Optimal assignments of numbers to vertices. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):131–135, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Heaslet:1964:TDC

[410] Max A. Heaslet and Franklyn B. Fuller. Temperature distribution on conducting cylindrical shells including the effects of thermal radiation. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):136–155, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rosen:1964:MBS

[411] J. B. Rosen. Minimum and basic solutions to singular linear systems. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):156–162, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Aziz:1964:BSS

[412] A. K. Aziz and B. E. Hubbard. Bounds for the solution of the Sturm–Liouville problem with application to finite difference methods. *Journal of the Society for Industrial and Applied Mathematics*, 12 (1):163–178, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Neuts:1964:IMO

[413] Marcel F. Neuts. An inventory model with an optional time lag. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):179–185, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fleischer:1964:OR

[414] I. Fleischer and A. Kooharian. Optimization and recursion. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):186–188, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Thompson:1964:DAI

[415] Robert J. Thompson. Difference approximations for inhomogeneous and quasilinear equations. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):189–199, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Olver:1964:EBAb

[416] F. W. J. Olver. Error bounds for asymptotic expansions in turning-point problems. *Journal of the Society for Industrial and Applied Mathematics*, 12(1): 200–214, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rockafellar:1964:CAL

[417] R. T. Rockafellar. A combinatorial algorithm for linear programs in the general mixed form. *Journal of the Society for Industrial and Applied Mathematics*, 12 (1):215–225, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fan:1964:OMF

[418] Liang-Tseng Fan and Chiu-Sen Wang. On the optimization of multistage feedback processes. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):226–232, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cannon:1964:NSD

[419] J. R. Cannon. The numerical solution of the Dirichlet problem for Laplace's equation by linear programming. *Journal of the Society for Industrial and Applied Mathematics*, 12 (1):233–237, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kaiser:1964:MDE

[420] Henry F. Kaiser. A method for determining eigenvalues. *Journal of the Society for Industrial and Applied Mathematics*, 12(1):238–248, March 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kolodner:1964:FOO

[421] I. I. Kolodner, J. Lehner, and G. M. Wing. On first order ordinary differential equations arising in diffusion problems. *Journal of the Society for Industrial and Applied Mathematics*, 12(2): 249–269, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cannon:1964:EES

[422] J. R. Cannon. Error estimates for some unstable continuation problems. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):270–284, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Harrison:1964:CBF

[423] Michael A. Harrison. On the classification of Boolean functions by the general linear and affine groups. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):285–299, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Moeller:1964:SIT

[424] J. W. Moeller. Signals impervious to time limited noise. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):300–310, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Tee:1964:NTS

[425] G. J. Tee. A new technique for solving elliptic partial differential equations. *Journal of the Society for Industrial*

and Applied Mathematics, 12(2):311–347, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gomory:1964:SCN

[426] R. E. Gomory and T. C. Hu. Synthesis of a communication network. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):348–369, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Inselmann:1964:HTG

[427] Edmund H. Inselmann. Hypothesis testing of Gaussian processes with composite alternatives. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):370–385, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Newman:1964:NAD

[428] Malcolm Newman and Edward L. Reiss. Nonlinear axisymmetric deformations of conical shells. *Journal of the Society for Industrial and Applied Mathematics*, 12 (2):386–402, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sih:1964:FSR

[429] G. C. Sih. Fracture strength of a rectangular beam with surface cracks. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):403–412, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lemke:1964:EPB

[430] C. E. Lemke and J. T. Howson, Jr. Equilibrium points of bimatrix games. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):413–423, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kizner:1964:NMF

[431] William Kizner. A numerical method for finding solutions of nonlinear equations. *Journal of the Society for Industrial and Applied Mathematics*, 12(2): 424–428, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Crout:1964:MCM

[432] Prescott D. Crout. A method for combining mixed data on position and acceleration in estimating velocities. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):429–445, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hanson:1964:DSD

[433] M. A. Hanson. Duality and self-duality in mathematical programming. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):446–449, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Efron:1964:OEV

[434] Bradley Efron. Optimum evasion versus systematic search. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):450–457, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lindsey:1964:IIC

[435] William C. Lindsey. Infinite integrals containing Bessel function products. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):

458–464, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

deSilva:1964:ETS

[436] C. N. de Silva. The effect of transverse shear deformation on the bending of elliptic toroidal shells. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):465–476, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Pierce:1964:PBF

[437] William H. Pierce. Probability bounds in finite-state transition chains. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):477–486, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sandberg:1964:SSL

[438] I. W. Sandberg. On the stability of solutions of linear differential equations with periodic coefficients. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):487–496, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Haseltine:1964:EET

[439] W. R. Haseltine. Errata: "Existence Theorems for Nonlinear Ballistics" [J. SIAM **11** (1963), no. 3, 553–563]. *Journal of the Society for Industrial and Applied Mathematics*, 12(2):497, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [353].

Henrici:1964:EBE

[440] Peter Henrici. Errata: "Bounds for Eigenvalues of Certain Tridiagonal Matrices" [J. SIAM **11** (1963), no. 2, 281–290]. *Journal of the Society for Industrial and Applied Mathematics*, 12 (2):497, June 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [334].

Sobczyk:1964:CNC

[441] Andrew Sobczyk. On the curtiss nonsingularity condition in harmonic polynomial interpolation. *Journal of the Society for Industrial and Applied Mathematics*, 12(3):499–514, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Trench:1964:AIF

[442] William F. Trench. An algorithm for the inversion of finite Toeplitz matrices. *Journal of the Society for Industrial and Applied Mathematics*, 12(3): 515–522, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Aggarwal:1964:Z

[443] H. R. Aggarwal. On the zeros of $kz^2K'_n(kz)K'_n(z) - n^2K_n(kz)K_n(z)$. *Journal of the Society for Industrial and Applied Mathematics*, 12(3):523–525, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Dolezal:1964:LEE

[444] Vaclav Dolezal. The location of eigenfrequencies of electrical networks. *Journal of the Society for Industrial and Applied Mathematics*, 12(3):526–538, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bazer:1964:MSO

[445] J. Bazer. Multiple scattering in one dimension. *Journal of the Society for Industrial and Applied Mathematics*, 12 (3):539–579, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cochran:1964:RZC

[446] James Alan Cochran. Remarks on the zeros of cross-product Bessel functions. *Journal of the Society for Industrial and Applied Mathematics*, 12(3): 580–587, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cline:1964:RGI

[447] Randall E. Cline. Representations for the generalized inverse of a partitioned matrix. *Journal of the Society for Industrial and Applied Mathematics*, 12 (3):588–600, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Higgins:1964:HFT

[448] Theodore P. Higgins. A hypergeometric function transform. *Journal of the Society for Industrial and Applied Mathematics*, 12(3):601–612, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Boyce:1964:RTV

[449] William E. Boyce and Bruce E. Goodwin. Random transverse vibrations of elastic beams. *Journal of the Society for Industrial and Applied Mathematics*, 12 (3):613–629, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kurowski:1964:GST

[450] G. J. Kurowski. On the general solution of the three-dimensional viscoelastic Navier's equations for commutative systems. *Journal of the Society for Industrial and Applied Mathematics*, 12 (3):630–633, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Stoer:1964:CHN

[451] Josef Stoer. A characterization of Hölder norms. *Journal of the Society for Industrial and Applied Mathematics*, 12(3): 634–648, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wah:1964:CSV

[452] Thein Wah. Circular symmetric vibrations of ring-stiffened cylindrical shells. *Journal of the Society for Industrial and Applied Mathematics*, 12(3):649–662, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Cottle:1964:NFT

[453] Richard W. Cottle. Note on a fundamental theorem in quadratic programming. *Journal of the Society for Industrial and Applied Mathematics*, 12(3): 663–665, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Erdogan:1964:SSD

[454] F. Erdogan and L. Y. Bahar. On the solution of simultaneous dual integral equations. *Journal of the Society for Industrial and Applied Mathematics*, 12 (3):666–675, September 1964. CODEN

JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Chen:1964:IMF

[455] Wai-Kai Chen. The inversion of matrices by flow graphs. *Journal of the Society for Industrial and Applied Mathematics*, 12(3):676–685, September 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lehman:1964:SSS

[456] Alfred Lehman. A solution of the Shannon switching game. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):687–725, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sawhney:1964:CER

[457] Mathura D. Sawhney. The computation of eigenvalues. I. real symmetric matrices. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):726–733, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Tainiter:1964:SCP

[458] Melvin Tainiter. On stochastic counting processes associated with a semi-Markov process. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):734–744, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wachman:1964:TPB

[459] Murray Wachman. On the two point boundary value problem, with application to celestial mechanics. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):745–771, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

McAllister:1964:SNE

[460] G. T. McAllister. Some nonlinear elliptic partial differential equations and difference equations. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):772–777, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Mangasarian:1964:EPB

[461] O. L. Mangasarian. Equilibrium points of bimatrix games. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):778–780, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Butler:1964:LMG

[462] Terence Butler. Lagrange multipliers and the geometry of Hilbert space. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):781–793, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hanan:1964:CCM

[463] M. Hanan and F. P. Palermo. On cyclic codes for multi-phase data transmission systems. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):794–804, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gurtin:1964:NFC

[464] M. E. Gurtin. A note on functionals continuous with respect to an operator. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):

805–806, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ehrlich:1964:BSS

[465] Louis W. Ehrlich. The block symmetric successive overrelaxation method. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):807–826, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rau:1964:RTS

[466] John G. Rau. Redundancy and trichotomous systems. *Journal of the Society for Industrial and Applied Mathematics*, 12 (4):827–837, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bottger:1964:NPH

[467] G. Bottger and H. Harders. Note on a problem by S. L. Hakimi concerning planar graphs without parallel elements [J. SIAM **11** (1963), no. 1, 135–147]. *Journal of the Society for Industrial and Applied Mathematics*, 12(4): 838–839, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See [323].

Zahn:1964:ASR

[468] C. T. Zahn, Jr. Approximation symmetric relations by equivalence relations. *Journal of the Society for Industrial and Applied Mathematics*, 12(4): 840–847, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kellogg:1964:ADM

[469] R. B. Kellogg. An alternating direction method for operator equations. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):848–854, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Pinkham:1964:RRL

[470] R. S. Pinkham. Random root location. *Journal of the Society for Industrial and Applied Mathematics*, 12(4): 855–864, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Duris:1964:RLM

[471] C. S. Duris. A Riemann-like method for solving hyperbolic difference equations. *Journal of the Society for Industrial and Applied Mathematics*, 12(4): 865–872, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Pinney:1964:SVM

[472] Edmund Pinney. The Schwinger variation method. *Journal of the Society for Industrial and Applied Mathematics*, 12 (4):873–885, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Traub:1964:LHI

[473] J. F. Traub. On Lagrange-Hermite interpolation. *Journal of the Society for Industrial and Applied Mathematics*, 12 (4):886–891, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

deBoor:1964:TPC

[474] Carl de Boor and John R. Rice. Tensor products and commutative matrices. *Journal of the Society for Industrial and Applied Mathematics*, 12(4): 892–896, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Roos:1964:SRF

[475] B. W. Roos. Successive recurrence functions and the partition of finite measure spaces. *Journal of the Society for Industrial and Applied Mathematics*, 12 (4):897–898, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Conner:1964:EPA

[476] Howard E. Conner. Extinction probabilities for age- and position-dependent branching processes. *Journal of the Society for Industrial and Applied Mathematics*, 12(4):899–909, December 1964. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fiedler:1965:SEP

[477] Miroslav Fiedler. Some estimates of the proper values of matrices. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):1–5, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Heinbockel:1965:EPS

[478] J. H. Heinbockel and R. A. Struble. The existence of periodic solutions of nonlinear oscillators. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):6–36, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Brown:1965:OPS

[479] Lawrence Brown. Optimal policies for a sequential decision process. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):37–46, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sack:1965:ILE

[480] R. A. Sack. Interpretation of Lagrange's expansion and its generalization to several variables as integration formulas. *Journal of the Society for Industrial and Applied Mathematics*, 13 (1):47–59, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Wurtele:1965:PPR

[481] Zivia S. Wurtele. A problem in pattern recognition. *Journal of the Society for Industrial and Applied Mathematics*, 13 (1):60–67, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Carrier:1965:AAT

[482] George F. Carrier. Analytic approximation techniques in applied mathematics. *Journal of the Society for Industrial and Applied Mathematics*, 13(1): 68–95, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Morrison:1965:AMA

[483] J. A. Morrison. Application of the method of averaging to planar orbit problems. *Journal of the Society for Industrial and Applied Mathematics*, 13 (1):96–117, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lucas:1965:SFP

[484] William F. Lucas. Solutions for four-person games in partition function form. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):118–128, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Shapiro:1965:DAA

[485] Jesse M. Shapiro. Domains of attraction for absolute values of random variables. *Journal of the Society for Industrial and Applied Mathematics*, 13 (1):129–135, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kyner:1965:MTO

[486] W. T. Kyner. A mathematical theory of the orbits about an oblate planet. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):136–171, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sears:1965:SRT

[487] W. R. Sears. Some recollections of Theodore Von Karman. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):174–183, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Burgers:1965:TML

[488] J. M. Burgers. The transportation of magnetic lines of force by a highly conducting fluid. *Journal of the Society for Industrial and Applied Mathematics*, 13 (1):184–205, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Crocco:1965:TBL

[489] Luigi Crocco. Turbulent boundary layer and mixing coefficient. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):206–215, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Erdelyi:1965:ASP

[490] A. Erdélyi. Axially symmetric potentials and fractional integration. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):216–228, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ferri:1965:MPS

[491] Antonio Ferri, Gino Moretti, and Simon Slutsky. Mixing processes in supersonic combustion. *Journal of the Society for Industrial and Applied Mathematics*, 13 (1):229–258, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Grad:1965:BE

[492] Harold Grad. On Boltzmann's H-theorem. *Journal of the Society for Industrial and Applied Mathematics*, 13 (1):259–277, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lees:1965:KTD

[493] Lester Lees. Kinetic theory description of rarefied gas flow. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):278–311, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Prager:1965:MPT

[494] William Prager. Mathematical programming and theory of structures. *Journal of the Society for Industrial and Applied Mathematics*, 13(1):312–332, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Reissner:1965:RSE

[495] E. Reissner and F. Y. M. Wan. Rotating shallow elastic shells of revolution. *Journal of the Society for Industrial and Applied Mathematics*, 13(1): 333–352, March 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Shapiro:1965:MAL

[496] N. Z. Shapiro and L. S. Shapley. Mass action laws and the Gibbs free energy function. *Journal of the Society for Industrial and Applied Mathematics*, 13 (2):353–375, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gilbert:1965:RMT

[497] E. N. Gilbert. Random minimal trees. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):376–387, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Mullikin:1965:NIE

[498] T. W. Mullikin. A nonlinear integrodifferential equation in radiative transfer. *Journal of the Society for Industrial and Applied Mathematics*, 13(2): 388–410, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Yoeli:1965:LOS

[499] Michael Yoeli. Lattice-ordered semigroups, graphs, and automata. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):411–422, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sreedharan:1965:SPD

[500] V. P. Sreedharan. A short proof of the duality theorem of linear programming. *Journal of the Society for Industrial and Applied Mathematics*, 13(2): 423–424, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Heinbockel:1965:PSD

[501] J. H. Heinbockel and R. A. Struble. Periodic solutions for differential systems with symmetries. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):425–440, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Steiglitz:1965:OBC

[502] K. Steiglitz and A. J. Bernstein. Optimal binary coding of ordered numbers. *Journal of the Society for Industrial and Applied Mathematics*, 13(2): 441–443, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Birnbaum:1965:MCB

[503] Z. W. Birnbaum and J. D. Esary. Modules of coherent binary systems. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):444–462, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Zemanian:1965:CIL

[504] A. H. Zemanian. A characterization of the inverse Laplace transforms of rational positive-real matrices. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):463–468, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Carlitz:1965:SMS

[505] L. Carlitz. Some multiple sums and binomial identities. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):469–486, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kane:1965:DEM

[506] T. R. Kane and C. F. Wang. On the derivation of equations of motion. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):487–492, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Chen:1965:MFG

[507] Wai-Kai Chen. On the modifications of flow graphs. *Journal of the Society for Industrial and Applied Mathematics*, 13 (2):493–505, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Moon:1965:DCR

[508] J. W. Moon. On the distribution of crossings in random complete graphs. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):506–510, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See erratum [558].

Pomraning:1965:VPL

[509] G. C. Pomraning. A variational principle for linear systems. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):511–519, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kalman:1965:IRD

[510] R. E. Kalman. Irreducible realizations and the degree of a rational matrix. *Journal of the Society for Industrial and Applied Mathematics*, 13(2): 520–544, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Brannen:1965:IMO

[511] J. P. Brannen. An iterative method for optimizing expectations. *Journal of the Society for Industrial and Applied Mathematics*, 13(2):545–554, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Smiley:1965:LST

[512] M. F. Smiley. Langenhop's stabilization theorem. *Journal of the Society for Industrial and Applied Mathematics*, 13 (2):555–557, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bazer:1965:DEW

[513] J. Bazer and L. Rubenfeld. Diffraction of electromagnetic waves by a circular aperture in an infinitely conducting plane screen. *Journal of the Society for Industrial and Applied Mathematics*, 13 (2):558–585, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sylvester:1965:TPB

[514] R. J. Sylvester and F. Meyer. Two point boundary problems by quasilinearization. *Journal of the Society for Industrial and Applied Mathematics*, 13 (2):586–602, June 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bauer:1965:NBR

[515] Louis Bauer and Edward L. Reiss. Nonlinear buckling of rectangular plates. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):603–626, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Coles:1965:MRD

[516] W. J. Coles. Matrix Riccati differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 13 (3):627–634, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Banks:1965:SIF

[517] Dallas O. Banks. Some inequalities for the fundamental frequency of a nonhomogeneous membrane. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):635–638, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Hobart:1965:ASC

[518] R. Hobart. An analytical solution to a class of nonlinear differential-difference equations. *Journal of the Society for Industrial and Applied Mathematics*, 13 (3):639–643, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Tyndall:1965:DTC

[519] William F. Tyndall. A duality theorem for a class of continuous linear programming problems. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):644–666, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Gordon:1965:NDE

[520] Paul Gordon. Nonsymmetric difference equations. *Journal of the Society for Industrial and Applied Mathematics*, 13 (3):667–673, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Keller:1965:NES

[521] Herbert B. Keller and Antoinette W. Wolfe. On the nonunique equilibrium states and buckling mechanism of spherical shells. *Journal of the Society for Industrial and Applied Mathematics*, 13 (3):674–705, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sakrison:1965:ESC

[522] David J. Sakrison. Estimation of signals containing unknown parameters: Comparison of linear and arbitrary unbiased estimates. *Journal of the Society for Industrial and Applied Mathematics*, 13 (3):706–719, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Weiss:1965:ADL

[523] Lionel Weiss. On the asymptotic distribution of the largest sample spacing. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):

720–731, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Kreith:1965:EOP

[524] Kurt Kreith. Elliptic operators with a purely continuous spectrum. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):732–739, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ponzo:1965:CRO

[525] Peter J. Ponzo and Nelson Wax. On certain relaxation oscillations: Asymptotic solutions. *Journal of the Society for Industrial and Applied Mathematics*, 13 (3):740–766, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Holt:1965:IIR

[526] John M. Holt. Integral inequalities related to non-oscillation theorems for differential equations. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):767–794, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ferguson:1965:BSW

[527] Thomas S. Ferguson. Betting systems which minimize the probability of ruin. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):795–818, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Davisson:1965:PTS

[528] L. D. Davisson. Prediction of time series from finite past. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):819–826, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Ijiri:1965:GII

[529] Yuji Ijiri. On the generalized inverse of an incidence matrix. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):827–836, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Reid:1965:EEP

[530] J. K. Reid and J. E. Walsh. An elliptic eigenvalue problem for a reentrant region. *Journal of the Society for Industrial and Applied Mathematics*, 13(3): 837–850, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Schindler:1965:GSA

[531] G. M. Schindler. On the geometric shape of axial-symmetric shock waves from a point source explosion in a nonhomogeneous medium. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):851–863, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Reiter:1965:DO

[532] Stanley Reiter and Gordon Sherman. Discrete optimizing. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):864–889, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Oliver:1965:POP

[533] Robert M. Oliver and Gerold Pestalozzi. On a problem of optimum priority classification. *Journal of the Society for*

Industrial and Applied Mathematics, 13 (3):890–901, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bollman:1965:SPP

[534] Dorothy A. Bollman. Some periodicity properties of transformations on vector spaces over residue class rings. *Journal of the Society for Industrial and Applied Mathematics*, 13(3):902–912, September 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Sack:1965:GLE

[535] R. A. Sack. Generalization of Lagrange's expansion for functions of several implicitly defined variables. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):913–926, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Williams:1965:SLP

[536] A. C. Williams. On stochastic linear programming. *Journal of the Society for Industrial and Applied Mathematics*, 13 (4):927–940, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic). See errata [557].

Jones:1965:LSC

[537] John Jones, Jr. On the Lyapunov stability criteria. *Journal of the Society for Industrial and Applied Mathematics*, 13 (4):941–945, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Klee:1965:PP

[538] Victor Klee. Paths on polyhedra. I. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):946–956, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Fairweather:1965:NAD

[539] G. Fairweather and A. R. Mitchell. A new alternating direction method for parabolic equations in three space variables. *Journal of the Society for Industrial and Applied Mathematics*, 13(4): 957–965, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Konheim:1965:SWT

[540] Alan G. Konheim. The stationary waiting time distribution for a single-server queue. *Journal of the Society for Industrial and Applied Mathematics*, 13(4): 966–976, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Soong:1965:PSL

[541] T. T. Soong. On perturbation solutions to linear system dynamics — I. convergence. *Journal of the Society for Industrial and Applied Mathematics*, 13(4): 977–987, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

McFadden:1965:EPP

[542] J. A. McFadden. The entropy of a point process. *Journal of the Society for Industrial and Applied Mathematics*, 13 (4):988–994, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Lynch:1965:TPA

[543] Robert E. Lynch, John R. Rice, and Donald H. Thomas. Tensor product analysis of alternating direction implicit methods. *Journal of the Society for Industrial and Applied Mathematics*, 13 (4):995–1006, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Antman:1965:DSC

[544] Stuart Antman and William H. Warner. Dynamic stability of circular rods. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1007–1018, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Schumitzky:1965:MPO

[545] Alan Schumitzky. Modulation products and optimum frequency conversion for an n-frequency input. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1019–1032, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Rohde:1965:GIP

[546] Charles A. Rohde. Generalized inverses of partitioned matrices. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1033–1035, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Konig:1965:NSC

[547] Heinz Konig and Armen H. Zemanian. Necessary and sufficient conditions for a matrix distribution to have a positive-real Laplace transform. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1036–1040, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Windholz:1965:ASS

[548] Walter M. Windholz. Approximate solutions for some elasticity problems. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1041–1049, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Forsythe:1965:SVS

[549] George E. Forsythe and Gene H. Golub. On the stationary values of a second-degree polynomial on the unit sphere. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1050–1068, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Waltmann:1965:AT

[550] William L. Waltmann and Robert J. Lambert. T-algorithm for tridiagonalization. *Journal of the Society for Industrial and Applied Mathematics*, 13 (4):1069–1078, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Pollack:1965:JPM

[551] Maurice Pollack. The jeep problem: The maximum rate of delivery. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1079–1086, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Posner:1965:SEC

[552] Edward C. Posner. Simultaneous error-correction and burst-error detection us-

ing binary linear cyclic codes. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1087–1095, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Weiner:1965:GIT

[553] Howard J. Weiner. The gradient iteration in time series analysis. *Journal of the Society for Industrial and Applied Mathematics*, 13(4):1096–1101, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Trench:1965:AIF

[554] William F. Trench. An algorithm for the inversion of finite Hankel matrices. *Journal of the Society for Industrial and Applied Mathematics*, 13(4): 1102–1107, December 1965. CODEN JSIMAV. ISSN 0368-4245 (print), 2168-3484 (electronic).

Bueckner:1966:RPD

[555] Hans F. Bueckner. Remark on a paper by D. S. Griffin and R. S. Varga "Numerical Solution of Plane Elasticity Problems" [J. SIAM **11** (1963), no. 4, 1046–1062]. *SIAM Journal on Applied Mathematics*, 14(2):414, March 1966. CODEN SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic). See [390].

McKenna:1967:NAE

[556] James McKenna. Note on "Asymptotic Expansions of Fourier Integrals Involving Logarithmic Singularities" [J. SIAM **4** (1956), no. 1, 38–47], by A. Erdélyi. *SIAM Journal on Applied Mathematics*, 15(4):810–812, July 1967. CODEN SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic). See [45].

Williams:1967:ESL

[557] A. C. Williams. Errata: "On Stochastic Linear Programming" [J. SIAM **13** (1965), no. 4, 927–940]. *SIAM Journal on Applied Mathematics*, 15(1):228, January 1967. CODEN SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic). See [536].

Moon:1977:EDC

[558] J. W. Moon. Erratum: "On the Distribution of Crossings in Random Complete Graphs" [J. SIAM **13** (1965), no. 2, 506–510]. *SIAM Journal on Applied Mathematics*, 32(3):706, May 1977. CODEN SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic). See [508].