

Publications for 2001

Refereed Article Publications

Author	Title
Chopra, Dharam	" On Bi-Level Orthogonal Arrays of Strength four"Congressus Numerantium 144,2000,pp.183-188, (with R. Dios)
Chopra, Dharam	"Revised table for Contributions to the existence of some orthogonal arrays" Congressus Numerantium 145,2000,pp.219-220, (with R. Dios)
Chopra, Dharam	"Some investigations on Orthogonal Arrays"The Journal of Combinatorial Mathematics and Combinatorial Computing 36,2001,pp.193-200, (with R. Dios)
DeLillo, Thomas Elcrat, Alan	"Schwarz-Christoffel mapping of the annulus", with A. R. Elcrat and J. A. Pfaltzgraff, SIAM Review, 43(2001) 469-477.
DeLillo, Thomas Isakov, Victor	"The detection of the source of acoustical noise in two dimensions", with V. Isakov, N. Valdivia, and L. Wang, SIAM Journal of Applied Mathematics, 61(2001): 2104-2121.
Elcrat, Alan Miller, Kenneth	"A Monotone iteration for concentrated vortices",Nonlinear Analysis 44(2001): 777-789.
Elcrat, Alan Hrycak, Tomasz	"On determining emerging cracks from boundary measurements", Inverse Problems 17(2001):1391-1400, (with T. Hrycak and B. Bunck)
Elcrat, Alan Miller, Kenneth	"Some Steady axisymmetric vortex flows past a sphere", Journal of Fluid Mechanics 433(2001):315-328.
Ho, Lop-Hing Fridman, Buma Ma, Daowei	"A Compact set with noncompact disc-hull", Porceedings of the American Mathematical Society, 129(2001), No. 5, 1473-1475, (joint work with Buma Fridman and Daowei Ma.)
Isakov, Victor	"On uniqueness of the continuation for the thermoelasticity system", SIAM J. on Math. Analysis, 33(2001), 509-522.
Isakov, Victor	"Uniqueness of recovery of some systems of semilinear partial differential equations", Inverse Problems, 17(2001), 607-619
Isakov, Victor	"Uniqueness of Recovery of Some Quasilinear Partial Differential Equations", Comm. in Part. Diff. Equat., 26 (2001), 1947-1975

Reports

Author	Title
Hutchinson, John	Final Report NASA grant December 31, 2001

Published Conference Proceedings

Author	Title
Chopra, Dharam	"On fractional factorial designs with two levels," Bulletin of the International Statistical Institute,L1X (Book 3,Contributed Papers),2001,PP.339-340

Book Chapters and Publications in Anthologies

Author	Title
Brady, Stephen	Dictionary of Algebra, Arithmetic, and Trigonometry, CRC Press to which I was a contributing editor was finally published 11/20/2000.
Isakov, Victor	"Three-dimensional inverse scattering theory and its relation with other problems", Scattering, Eds. E.R.Pike, P.Sabatier. Academic Press (2001).
Ma, Daowei	"Unbounded growth of total variations of snapshots of the 1D linear wave equation due to the chaotic behavior of iterates of composite nonlinear boundary reflection relations," Control of Nonlinear Distributed Parameter Systems, Editors G. Chen, I. Lasiecka and J. Zhou, New York: Marcel Dekker (2001): 15-42.

Formal Papers Delivered at Professional Meetings

Author	Title
Acker, Andrew	"On the existence of convex classical solutions for the generalized Prandtl-Batchelor problem in fluid dynamics." Presented at 964th meeting of the American Mathematical Society, 30-31 March, 2001 at the U. of Kansas, Lawrence, KS. Special session on PDE's and Geometry (M. Korton and L. Kapitanski, organizers)
Acker, Andrew	"On the existence of convex classical solutions for the generalized Prandtl-Batchelor problem in fluid dynamics." Presented at the 11th Midwest Geometry Conference, 2001, held at Wichita State University, 27-29 April, 2001.
Chopra, Dharam	(with M.Bsharat), "Contributions to some Combinatorial Arrays" Thirty-second South Eastern Conference on Combinatorics, Graph Theory, and computing, Feb. 26-March 2, 2001, Baton Rouge (La.)
Chopra, Dharam	"On Fractional Factorial Designs, each factor with two levels" 53rd session of the International Statistical Institute, August 22-29, 2001, Seoul (Korea)
Chopra, Dharam	(with R.Dios) "Investigations on the Existence conditions of some balanced arrays" Fourteenth Mid-West Conference on Combinatorics, Cryptography, and Computing, Oct. 18-20, 2001, Las Vegas (NV)
DeLillo, Thomas	"Computational methods for the detection of the source of acoustical noise using integral equations", invited talk, Dept. of Mech. Eng., Wayne State U., 1/26/01.
DeLillo, Thomas	"Computational methods for inverse problems in acoustics using integral equations", contributed talk, Applied Inverse Problems meeting, Montecatini Terme, Italy, 6/19/01.
DeLillo, Thomas	"The crowding phenomenon for conformal maps of multiply connected regions", contributed talk, CMFT meeting, Aveiro, Portugal, 6/29/01.
DeLillo, Thomas	"An overview of computational methods for inverse problems in acoustics," invited minisymposium talk, SIAM Annual meeting, San Diego, CA, 7/11/01.
Elcrat, Alan	"Determination of cracks using boundary measurements", Applied Inverse Problems, Montecatini, Italy, June 2001
Elcrat, Alan	"Schwarz Christoffel methods for crack detection", CMFT, Aveiro, Portugal, June 2001
Hrycak, Tomasz	"Computational Methods for an Inverse Problem in Acoustics Using Integral Equations", SIAM Annual Meeting, San Diego, CA, July 2001.
Isakov, Victor	"Inverse parabolic problems with final overdetermination and financial applications", International Conference on Inverse Problems, Gargnano, Italy, April 2001.

Isakov, Victor "Some theoretical issues of detection of the source of the acoustical noise", 5th International Conference on Theoretical and Computational Acoustics, Beijing, China, May 2001.

Isakov, Victor "Final Overdetermination for parabolic equations and the inverse option pricing", International Workshop "Dynamical Inverse Problems", Euler Institute, St.-Petersburg, Russia, June 2001.

Isakov, Victor "Uniqueness of the Continuation, Control, and Inverse Problems for the dynamical Lamé system", IMA Workshop "Geometric Methods in Inverse Problems and Optimal Control", Univ. of Minnesota, Minneapolis, MN, July 2001.

Mukerjee, Hari (with H. El Barmi), "Consistent estimation of distribution functions with Type II bias", Western Regional Meeting of The Institute of Mathematical Statistics, Vancouver, Canada, June, 2001.

Book Reviews Published in Professional Journals and Abstracts

Author	Title
Chopra, Dharam	"Statistics on the table: the history of statistical concepts and methods" by S.M. Stigler. Published by Harvard University Press, Choice 37, #7, 2000, pp. 1332-133
Chopra, Dharam	"Introduction to the Monte-Carlo method" by I. Manno. Pub. by Akadémiai Kiadó, Choice 37, #9, 2000, p. 1684.
Chopra, Dharam	"Probability and probability logic" by P. Roeper and H. Leblanc. Pub. by Toronto University Press, Choice 37, #9, 2000, p. 1684.
Chopra, Dharam	"Statistical curves and Parameters: choosing an appropriate approach" by M.E. Tarter. Published by A.K. Peters, Choice 37, #11/12, 2000, pp. 2012-2013.