List of Technical Publications, Conference Presentations, and Lectures
March 27, 2003

Technical Publications:

Papers in Refereed Journals, Refereed Proceedings, and Book Chapters


"An Integral Equation Formulation of Three-Dimensional Anisotropic
1973 (with S. M. Vogel).

"Optic Nerve Axoplasm and Papilledema", Survey of Ophthalmology, 1975,
Vol. 20, No. 3 (with J. Wirtschafter, and B. Smiley).

"The Boundary Integral Equation Method - A Modern Computational Procedure

"A Note on the Body Force Integral of Classical Elastostatics", ZAMP, Vol. 28,
1977 (with M. Stippes).

"The Boundary Integral Equation Method Applied to Two Electromagnetic
Wagner, and D. J. Shippy).

"An Advanced Boundary Integral Equation Method for Three-Dimensional
(with D. J. Shippy).

"Intraocular Axonal Swelling Produced by Partial, Immediately Retrobulbar
(with J. Wirtschafter, D. Slagel, and W. J. Foxx).

"An Algorithm for the Numerical Solution of Boundary Value Problems

"Boundary Integral Equation Analysis of Temperature and Stress in
Film-Cooled Turbine Blades", Proc. of the 15th Annual Meeting of the Society

"On the Numerical Solution of Two-Dimensional Potential Problems by an
Improved Boundary Integral Equation Method", J. of Computational Physics,
Vol. 31, No. 1, 1979 (with G. Fairweather, D. J. Shippy, and Y. Wu).

"Recent Advances of the Boundary Element Method in Thermoelasticity",
Developments in Boundary Elements - I, eds. P. K. Banerjee and R. Butterfield,

"A Boundary Integral Approach to Potential and Elasticity Problems for
Axisymmetric Bodies with Arbitrary Boundary Conditions", Mechanics

"Computation of Double Integrals in the Boundary Integral Equation Method",
Proc. 3rd Int. IMACS Conf., Lehigh, Pa., June 1979 (with G. Fairweather and
D. J. Shippy).


"Boundary Element Analysis of Wave Scattering from Cracks," Communications in Applied Numerical Methods, Vol. 6, p. 591, 1990 (with Z.
H. Jia and D. J. Shippy).


"Boundary Integral Equations for Thin Bodies," Int. J. for Numerical Methods


Papers in Non-refereed Proceedings (last 15 years)


"Boundary Integral Equations for Bodies of Small, but Finite, Thickness," Proc. 8th Int. Workshop on Water Waves & Floating Bodies, St. John's, Newfoundland, May 23-26, 1993, (with P.A. Martin)


"Boundary Elements and a Green's Function Library," Proc. NIST Workshop on


Conference Presentations:

At Society Meetings

All of the above papers which appeared in refereed proceedings, or any ASME publication, were also orally presented at an associated conference by (at least) one of the indicated authors.

Other Conference Presentations on Current Research (some with coauthors, last 20 years)

Atlanta, Georgia, May 1984; ASCE Spring Conference
Houghton, Michigan, August 1989; Midwest Mechanics Conference
Newark, Delaware, September 1989; ONR Workshop on Integral and Field Equation Methods in Fluid-Structure Interaction
Dallas, Texas, November 1990, ASME Winter Annual Meeting
State College Pennsylvania (Penn State), March 1991, ONR Workshop on Fluid-Structure Interaction
Chicago, IL, July 1991, 1st US Nat'l. Congress on Computational Mechanics
Albuquerque, NM, June 1992, Boundary Element Technology Conf.
Tokyo Japan, August 1994, Third World Congress on Computational Mechanics,
Argonne, Illinois, August 1994, Theory Institute on Quadrature
Baltimore Maryland, July 1996, ASME Mechanics and Materials Conference

Lectures:

At Universities and Industry, on some aspect of current research (last 20 years)

University of Tennessee (Knoxville) 1984
Illinois Earthmovers Conference (Peoria) 1984
Whirlpool Engineers (in Lexington) 1984
University of Kentucky [Physics Dept.] 1985
IBM [Engineering Div.] (Lexington) 1985
Cornell University (Ithaca, NY) 1985
University of Southern California (Los Angeles) 1985
Northwestern University (Evanston, IL) 1986
Southern Methodist University (Dallas, TX) 1987
Texas A & M University (College Station) 1987
University of Houston (Texas) 1987
Shell Development Company (Houston) 1987
Iowa State University [Math Dept.] 1987
Iowa State University [M.E. Dept.] 1987
Tokai University (Japan) 1987
University of Illinois [T&AM Dept.] 1989
Caterpillar Tractor Co, Peoria, IL, 1990
University of Notre Dame, [M.E. Department] 1990
Purdue University, Aero Department, 1990
Universita Degli Studi Di Pisa, Dept. Di Costruzioni Meccaniche E, 1990
Politecnico di Milano, Dipartimento di Ingegneria Strutturale, 1990
Worcester Polytechnic University, Worcester, MA, 1991
Arizona State University [3 lectures] (Tempe) 1992
PDA Engineering (Costa Mesa, CA) 1992
University of Iowa [Math Dept.] 1992
Iowa State University [Physics & Astronomy Dept.] 1993
NIST (Boulder, CO) 1994
Colorado School of Mines [Engineering & Math] 1994
University of Wisconsin [M.E. Dept.] 1996
Colorado School of Mines [Div of Engr] 1997
University of Cincinnati [M.E. Dept.] 1998