

Integral Methods In Science And Engineering, Volume 1

[DOWNLOAD HERE](#)

Preface.- List of Contributors.- Homogenization of the Integro-Differential Burgers Equation.- Geometric Versus Spectral Convergence for the Neumann Laplacian under Exterior Perturbations of the Domain.- Dyadic Elastic Scattering by Point Sources: Direct and Inverse Problems.- Two-Operator Boundary-Domain Integral Equations for a Variable-Coefficient BVP.- Solutions of a Class of Nonlinear Matrix Differential Equations with Application to General Relativity.- The Bottom of the Spectrum in a Double-Contrast Periodic Model.- Fredholm Characterization of Weiner Hopf Hankel Integral Operators with Piecewise Almost Periodic Symbols.- Fractal Relaxed Problems in Elasticity.- Hyers Ulam and Hyers Ulam Rassias Stability of Volterra Integral Equations with Delay.- Fredholm Index Formula for a Class of Matrix Weiner Hopf Plus and Minus Hankel Operators with Symmetry.- Invertibility of Singular Integral Operators with Flip Through Explicit Operator Relations.- Contact Problems in Bending of Thermoelastic Plates.- On Burnett Coefficients in Periodic Media with Two Phases.- On Regular and Singular Perturbations of the Eigenelements of the Laplacian.- High-Frequency Vibrations of Systems with Concentrated Masses Along Planes.- On J. Ball's Fundamental Existence Theory and Weak Equilibria in Nonlinear Radial Hyperelasticity.- The Conformal Mapping Method for the Helmholtz Equation.- Integral Equation Method in a Problem on Acoustic Scattering by a Thin Cylindrical Screen with Dirichlet and Impedance Boundary Conditions on Opposite Sides of the Screen.- Existence of a Classical Solution and Nonexistence of a Weak Solution to the Dirichlet Problem for the Laplace Equation in a Plane Domain with Cracks.- On Different Quasimodes for the Homogenization of Steklov-Type Eigenvalue Problems.- Asymptotic Analysis of Spectral Problems in Thick Multi-Level Junctions.- Integral Approach to Sensitive Singular Perturbations.- Regularity of the Green Potential for the Laplacian with Robin Boundary Condition.- On the Dirichlet and Regularity Problems for the Bi-Laplacian in Lipschitz Domains.- Propagation of Waves in Networks of Thin Fibers.- Homogenization of a Convection-Diffusion Equation in a Thin Rod Structure.- Existence of Extremal Solutions of Singular Functional Cauchy and Cauchy Nicoletti Problems.- Asymptotic Behavior of the Solution of an Elliptic Pseudo-Differential Equation Near a Cone.- Averaging Normal Forms for Partial Differential Equations with Applications to Perturbed Wave

Equations.- Internal Boundary Variations and Discontinuous Transversality Conditions in Mechanics.-
Regularization of Divergent Integrals in Boundary Integral Equations for Elastostatics. EAN/ISBN :
9780817648992 Publisher(s): Birkhuser Format: ePub/PDF Author(s): Prez, Maria E.

[DOWNLOAD HERE](#)

Similar manuals: