

JOURNAL OF INTEGRAL
EQUATIONS AND APPLICATIONS

Volume 19

FALL 2007

Number 3

CONTENTS

- Preface for Integral Equations and Inverse Boundary Value Problems
By RAINER KRESS 233
- Fast Methods for Three-dimensional Inverse Obstacle
Scattering Problems
By H. HARBRECHT AND T. HOHAGE 237
- An Evolutionary Newton Method for Shape Reconstruction
By H. ECKEL AND R. POTTHAST 261
- Nonlinear Integral Equation Methods for the
Reconstruction of an Acoustically Sound-soft Obstacle
By O. IVANYSHYN AND T. JOHANSSON..... 289
- A Hybrid Method for Inverse Boundary Value Problems
for an Inclusion in Semi-infinite Two-dimensional Domains
By R. CHAPKO AND N. VINTONYAK 309
- An Integral Equation for Maxwell's Equations in a Layered Medium
with an Application to the Factorization Method
By A. KIRSCH..... 333
- Identification of Partially Coated Anisotropic Buried Objects
using Electromagnetic Cauchy Data
By F. CAKONI AND H. HADDAR 359