## JOURNAL OF INTEGRAL EQUATIONS AND APPLICATIONS

Volume 11 SPRING 1999 Number 1 **CONTENTS** The Discrete Petrov-Galerkin Method for Weakly Singular Integral Equations By Zhongying Chen, Yuesheng Xu AND JIANSHENG ZHAO ..... 1 On the Numerical Solution of Linear Evolution Problems with an Integral Operator Coefficient By I. Gavrilyuk, V. Makarov and R. Chapko ....... 37 Fast Collocation Solvers for Integral Equations on Open Arcs By J. Saranen and G. Vainikko ...... 57 Improving the Accuracy of Quadrature Method Solutions of Fredholm Integral Equations that Arise from Nonlinear Two-Point Boundary Value Problems By Avram Sidi and James A. Pennline ......................... 103