Acta Numerica 1999 Volume 8

CONTENTS

Numerical relativity: challenges for computational science Gregory B. Cook and Saul A. Teukolsky	1
Radiation boundary conditions for the numerical simulation of waves <i>Thomas Hagstrom</i>	47
Numerical methods in tomography Frank Natterer	107
Approximation theory of the MLP model in neural networks	143
An introduction to numerical methods for stochastic differential equations <i>Eckhard Platen</i>	197
Computation of pseudospectra Lloyd N. Trefethen	247

Acta Numerica is an annual publication containing invited survey papers by leading researchers in numerical mathematics and scientific computing. The papers present overviews of recent developments in their area and provide 'state of the art' techniques and analysis.

