

## PREFACE

This volume contains fourteen high-quality reviews of main subareas of Applied Mathematics. These are survey articles containing also original results, written by top people of the field from around the world. Applied Mathematics plays a central, very active role in contemporary science, shaping our lives better. Feeling that this volume is a very important research tool to the use of Applied Mathematicians, we intend to publish in the future subsequent volumes.

In the following we would like to mention the important topics that are reviewed in this volume: convergence of generalized singular integrals, computational concepts in numerical analysis, approximation in modular spaces, simultaneous approximations, minimal projections, copositive approximation, neuro-fuzzy adaptive control, sampling theory, stable financial modeling, performance measurements in finance, evaluation of statistical functionals, dynamical systems for the solution of nonlinear ill-posed problems, extrapolation in partial differential equations, and interpolation and approximation with wavelets.

This applied mathematics review volume is suitable for libraries in the mathematical sciences, engineering and economics, also good for individual researchers and graduate students (classroom and research) of the related fields.

The editor would like to thank Mrs. Kate MacDougall of Warren, RI, for the excellent, prompt typing job preparing this volume.

The Editor  
George A. Anastassiou  
University of Memphis, Memphis, TN  
February 1, 2000