

# Table of Contents

Approximation Theory Methods for the Study of Diffusion Equations <i>F. Altomare</i> .....	9
The Approximation Theoretical Behaviour of Solutions of Specific Hyperbolic Differential Equations at Zero and Infinity <i>P.L. Butzer and A. Gessinger</i> .....	27
Boundedness of Lagrange and Hermite Operators <i>B. Della Vecchia, G. Mastroianni and P. Vértesi</i> .....	53
De La Vallée Poussin and Bernstein – Type Operators <i>M.M. Derriennic</i> .....	71
On Error Bounds for Finite Difference Schemes <i>H. Esser, St.J. Goebbels, G. Lüttgens and R.J. Nessel</i> .....	85
Generalization of Bernstein – Type Approximation Methods <i>I. Gavrea and D.H. Mache</i> .....	115
Polynomials in the Complex Plane <i>M. v. Golitschek</i> .....	127
Error Estimates for Polynomial and Spline Interpolation by the Modulus of Continuity <i>P. Köhler</i> .....	141
Approximation by Constrained and Unconstrained Polynomials on Finite and Infinite Intervals <i>A. Kroó and J. Szabados</i> .....	151

On the Inverse Mean Value Property of Harmonic Functions on Ellipses and Best Harmonic $L^1$ - Approximation	
<i>P. Kubacki</i> .....	179
Recent Developments in Shape Preserving Approximation	
<i>D. Leviatan</i> .....	189
The Approximation by Means of Some Linear Positive Operators	
<i>A. Lupaş</i> .....	201
Minimality Properties and Applications of Four Kinds of Chebyshev Polynomials	
<i>J.C. Mason</i> .....	231
Best Constants in Estimates with Second Order Moduli of Continuity	
<i>R. Păltănea</i> .....	251
Some Density Problems in Multivariate Approximation	
<i>A. Pinkus</i> .....	277
On Local Parametric Approximation by Polynomial Curves	
<i>K. Scherer</i> .....	285
Trigonometric Wavelets and the Uncertainty Principle	
<i>K. Selig</i> .....	293
Orthogonal Polynomials with Perturbed Recurrence Coefficients	
<i>M. - R. Skrzipek</i> .....	305
On $\rho$ - Normal Pointsystems: A Survey	
<i>P. Vértesi</i> .....	317
List of Participants .....	329