

CONTENTS

Preface	vii
List of Speakers and Titles	ix
Best n-nets in normed spaces DAN AMIR and JAROSLAV MACH	1
Estimates for the rate of approximation of functions of bounded variation by Hermite-Fejér polynomials R. BOJANIC and F.H. CHENG	5
The Poisson Summation Formula, Whittaker's cardinal series and approximate integration P.L. BUTZER and R.L. STENS	19
Multivariate interpolation and the Radon transform part III: Lagrange representation A.S. CAVARETTA JR., T.N.T. GOODMAN, C.A. MICCHELLI and A. SHARMA	37
On spaces of piecewise polynomials with boundary conditions II. Type-1 triangulations C.K. CHUI, L.L. SCHUMAKER and R.H. WANG	51
On spaces of piecewise polynomials with boundary conditions III. Type-2 triangulations C.K. CHUI, L.L. SCHUMAKER and R.H. WANG	67
Spline bases in spaces of analytic functions Z. CIESIELSKI	81
Prolongement explicite des elements de $L^p(Q)$ et majoration du module de regularite du prolongement-applications a la convergence des suites d'operateurs lineaires positifs CHRISTIAN COATMELEC	113
When does the metric projection admit a linear selection? FRANK DEUTSCH	135
Maximal functions and their application to rational approximation RONALD A. DEVORE	143
Some remarks on the recent proofs of the Littlewood conjecture JOHN J. F. FOURNIER	157
Approximation of entire functions on unbounded continua W.H.J. FUCHS and A.A. GONCAR	171
The behavior of the exponential Euler spline $S_n(x;t)$ as $n \rightarrow \infty$ for negative values of the base t T.N.E. GREVILLE, I.J. SCHOENBERG and A. SHARMA	185

Müntz-type theorems for arcs and for \mathbb{R}^n	
J. KOREVAAR	199
Bounds for algebraic polynomials with zeros in an interval	
M.A. LACHANCE and E.B. SAFF	227
The degree of comonotone approximation of differentiable functions	
D. LEVIATAN	239
Some problems in Birkhoff interpolation	
G.G. LORENTZ	251
Asymptotic formulae for variation-diminishing splines	
M.J. MARSDEN and S.D. RIEMENSCHNEIDER	255
Orthogonal polynomials associated with $\exp(-x^4)$	
PAUL NEVAI	263
Hankel operators rational approximation and allied questions of analysis	
JAAK PEETRE	287
On the zeros of rational functions arising from certain determinants	
Q.I. RAHMAN and ST. RUSCHEWEYH	333
Cone conditions and the modulus of continuity	
ROBERT C. SHARPLEY	341
Approximation with convolution operators	
P.C. SIKKEMA	353
Compression and factorization of diagonally dominant matrices	
P.W. SMITH and J.D. WARD	369
Markov's inequality on subsets of \mathbb{R}^n	
HANS WALLIN	377
Problems	389