CONTENTS

Introduction
By W.A.A. Sakam, A. Ditzian
and S.D. Riemenschneider .......................... 1

Dedication ................................................ 7

(0, 3) interpolation on the zeros of $\pi_n(x)$
By M.R. Akhlaghi, A.M. Chak and A. Sharma .......... 9

On Ikebe’s Condition
By Dan Amir ............................................ 23

Divided difference operators and classical orthogonal polynomials
By Richard Askey .......................................... 33

Asymptotics for orthogonal polynomials with regularly varying
recurrence coefficients
By Walter Van Assche and Jeffrey S. Geronimo ... 39

Continuous approximation methods for the regularization and
smoothing of integral transforms
By R.P. Bennell and J.C. Mason ............................ 51

An example of a Chebyshev set
By H. Berens and H.J. Schmid ............................ 67

Converse results in the theory of equiconvergence of
interpolating rational functions
By M.A. Bokhari ........................................... 73

$T$-invariant algebras on Riemann surfaces II
By André Boivin .............................. 83

Approximating $\pi$ with Ramanujan’s solvable modular equations
By J.M. Borwein and P.B. Borwein ...................... 93

Sudden symmetry in simultaneous approximation
By M.G. De Bruin ...................................... 103

Atomic characterizations of modulation spaces through
Gabor-type representations
By Hans G. Feichtinger ............................... 113

A problem of Rubel concerning approximation on unbounded
sets by entire functions
By P.M. Gauthier, W. Hengartner and A. Stray .... 127
On duality in rational approximation

By Gerhard Gierz and Boris Shektman ......... 137

Bernstein inequalities in $L_p$, $0 \leq p \leq +\infty$

By M.V. Golitschek and G.G. Lorentz ............ 145

Degree of approximation by lacunary interpolators:

$(0,\ldots, R-2, R)$ interpolation

By Heinz H. Gonska ......................... 157

Convexity preserving convolution operators

By T.N.T. Goodman and S.L. Lee ................. 173

Approximation of Zolotarev type

By Werner Haussman and Karl Zeller ............. 181

Bivariate cardinal interpolation on the 3-direction mesh: $L^p$-data

By Klaus H"{o}llig, Martin Marsden

and Sherman Riemenschneider ................. 189

A constructive proof of convergence of the even approximants
of positive PC-fractions

By William B. Jones and W.J. Thron .............. 199

Contraction of the Schur algorithm for functions bounded in the
unit disk

By William B. Jones and W.J. Thron .............. 211

Symmetry techniques for $q$-series: Askey-Wilson polynomials

By E.G. Kalnins and Willard Miller, Jr. ........ 223

Monotone polynomial approximation in $L^p$

By D. Leviatan ......................... 231

Jackson type theorems in approximation by reciprocals of
polynomials

By A.L. Levin and E.B. Saff ...................... 243

Proximinality in $L^p(S,Y)$

By W.A. Light ......................... 251

Sufficient conditions for asymptotics associated with weighted
extremal problems on $\mathbb{R}$

By D.S. Lubinsky and E.B. Saff .................... 261

On the Riemann convergence of positive linear operators

By H. Mevissen, R.J. Nessel and E. Van Wickeren . 271

Approximation by Cheney-Sharma-Kantorovic polynomials
in the $L^p$-metric

By Manfred M. M"{u}ller ..................... 281
Characterization of measures associated with orthogonal polynomials on the unit circle
By Paul Nevai .............................................. 293
n-convexity and majorization
By J.E. Pečarić and D. Zwick ....................... 303
Rational approximation - analysis of work of Pekarskii
By Jaak Peetre and Johan Karlsson ............ 313
Proximinality of certain subspaces of $C_b(S; E)$
By Joao B. Prolla and Ary O. Chiacchio ...... 335
Extension of a theorem of Laguerre to entire functions
of exponential type II
By Q.I. Rahman and G. Schmeisser .............. 345
Sharp lower bounds for a generalized Jensen inequality
By A.K. Rigler, S.Y. Trimble and Richard S. Varga 353
Real vs. complex rational Chebyshev approximation on an interval
By A. Ruttan and R.S. Varga ......................... 375
Extensions of the Heisenberg group and coaxial coupling
of transverse eigenmodes
By Walter Schempp ................................. 383
A note on positive quadrature rules
By H.J. Schmid ............................................. 395
On norm and zero asymptotics of orthogonal polynomials
for general measures
By Matthew F. Wyneken ............................. 405