

CONTENTS

	Page
L. T. DECHEVSKY AND L. E. PERSSON, On sharpness, applications and generalizations of some Carleman type inequalities	1
S. MONTIEL, A characterization of hyperbolic cylinders in the de Sitter space	23
H. KOZONO AND M. NAKAO, Periodic solutions of the Navier-Stokes equations in unbounded domains	33
K. NISHIOKA, Algebraic independence of Mahler functions and their values	51
A. KASUE AND H. KUMURA, Spectral convergence of Riemannian manifolds, II	71
K. KURANO, A remark on the Riemann-Roch formula on affine schemes associated with Noetherian local rings	121
S.-E. TAKAHASI, Bohman-Korovkin-Wulbert operators from a function space into a commutative C^* -algebra for special test functions	139
K. FUJITA, Hilbert spaces related to harmonic functions	149