

## CONTENTS

<b>Mehdi BEHZAD</b> , Minimal 2-regular digraphs with given girth .....	1
<b>Shizuo ENDO and Takehiko MIYATA</b> , Invariants of finite abelian groups .....	7
<b>Nobuyoshi MOTOHASHI</b> , Model theory on a positive second order logic with countable conjunctions and disjunctions .....	27
<b>Michihiko MATSUDA</b> , Reduction of Monge-Ampère's equations by Imschenetsky transformations .....	43
<b>Morikuni GOTO</b> , Products of two semi-algebraic groups .....	71
<b>S. T. KURODA</b> , Scattering theory for differential operators, I, operator theory .....	75
<b>Bang-yen CHEN</b> , Pseudo-umbilical submanifolds of a Riemannian manifold of constant curvature, II .....	105
<b>Mohan S. PUTCHA and Adil YAQUB</b> , Rings satisfying polynomial constraints .....	115
<b>Masami SEKIZAWA</b> , The nullity spaces of the conformal curvature tensor .....	125
<b>John LAGNESE</b> , Approximation of solutions of differential equations in Hilbert space ..	132
<b>Tetsuji SHIODA</b> , On rational points of the generic elliptic curve with level $N$ structure over the field of modular functions of level $N^*$ .....	144
<b>Par Nobushige TODA</b> , Sur quelques combinaisons lineaires exceptionnelles au sens de Nevanlinna, II .....	158
<b>Jyunji INOUE</b> , Some closed subalgebras of measure algebras and a generalization of P. J. Cohen's theorem II .....	169