

VOL. 43 NO. 1

JANUARY, 1991

CONTENTS

Hideo TAMURA , Asymptotic completeness for three-body Schrödinger operators with short-range interactions	1
A. A. IVANOV and S. V. SHPECTOROV , A characterization of the association schemes of Hermitian forms	25
Alain BENSOUSSAN and Hideo NAGAI , An ergodic control problem arising from the principal eigenfunction of an elliptic operator	49
Masaaki KITAZUME, Takeshi KONDO and Izumi MIYAMOTO , Even lattices and doubly even codes	67
Shizuo NAKANE , Formation of singularities for Hamilton-Jacobi equation with several space variables	89
Katsuyuki YOSHIKAWA , Homogeneity and complete decomposability of torsion free knot modules	101
Akihiko GYOJA , Vector valued invariants of prehomogeneous vector spaces	117
Jacques FARAUT , Espaces symétriques ordonnés et algèbres de Volterra	133
Masaaki UE , Geometric 4 manifolds in the sense of Thurston and Seifert 4 manifolds II .	149
Hirotada NAITO , Indivisibility of class numbers of totally imaginary quadratic extensions and their Iwasawa invariants	185
Hiroaki AIKAWA, Nakao HAYASHI and Saburou SAITO , Isometrical identities for the Bergman and the Szegö spaces on a sector	195
Hirotaka KIKYO , Strongly nonmultidimensional theories	203