

CONTENTS

Kiiti Morita: On the dimension of the product of topological spaces	1
Eiichi Abe: A generalization of groups with a root data and coverings of the groups	7
Yûkita Katuta: Characterizations of paracompactness by increasing covers and normality of product spaces	27
Chiharu Mizutani: Monadic second order logic with an added quantifier Q	45
Haruto Ohta: Topologically complete spaces and perfect maps	77
Kokio Shirai: A relation between transfinite induction and mathematical induction in elementary number theory	91
Susumu Hayashi: A note on provable well-orderings in first order systems with infinitary inference rules	125
Shigeo Koshitani: On the nilpotency indices of the radicals of group algebras of P -groups which have cyclic subgroups of index P	137
Hiroshi Shigano: A correspondence between observable Hopf ideals and left coideal subalgebras	149
Mitsuhiro Itoh: A characterization of complex projective spaces by linear subspace sections	157
Kunihiko Kajitani: Fundamental solution of Cauchy problem for hyperbolic systems and Gevrey class	163
Takeshi Yukami: A theorem on the formalized arithmetic with function symbols $'$ and $+$	195