



## CONTENTS

MURAI, M.: Characterizations of $p$ -nilpotent groups.....	1
MURAI, M.: Block induction, normal subgroups and characters of height zero. ....	9
SHI, J-Y.: Left cells in the affine Weyl group $W_a(\tilde{D}_4)$ . ....	27
RAJU, A.S.: A characterization of translation planes and dual trans- lation planes of characteristic $\neq 2$ . ....	51
JOHNSON, N.L.: Half nearfield planes. ....	61
ARAKAWA, T.: On special values at $s=0$ of partial zeta-functions for real quadratic fields. ....	79
GARCIA, J.L. and NGUYEN, V.D.: Some decomposition properties of injective and pure-injective modules. ....	95
KOBAYASHI, T. and NISHI, H.: A necessary and sufficient condition for a 3-manifold to have genus $g$ Heegard splitting (A proof of Hass- Thompson conjecture). ....	109
MORIMOTO, K.: On the additivity of $h$ -genus of knots. ....	137
MIYAZAWA, Y.: Conway polynomials of periodic links. ....	147
MATSUZAKI, K. and VELLING, J.A.: Notes on projective structures and Kleinian groups. ....	165
UEKI, N.: On spectra of random Schrödinger operators with magnetic fields. ....	177
NEGORO, A.; Stable-like processes: construction of the transition density and the behavior of sample paths near $t=0$ . ....	189
Hsu, E.P.: A domain monotonicity property of the Neumann heat kernel. ....	215