

Advanced Studies in Pure Mathematics 32

Groups and Combinatorics — in memory of Michio Suzuki

CONTENTS

Koichiro HARADA — Michio Suzuki	1
Michio SUZUKI — On the prime graph of a finite simple group — an application of the method of Feit–Thompson–Bender–Glauberman	41
Michael ASCHBACHER — A Characterization of ${}^2E_6(2)$	209
Eiichi BANNAI, Masao KOIKE, Akihiro MUNEMASA and Jiro SEKIGUCHI — Some results on modular forms – subgroups of the modular group whose ring of modular forms is a polynomial ring	245
Helmut BENDER — Steiner systems and Mathieu groups revisited	255
Everette C. DADE — Rationally determined group modules	279
Walter FEIT and M. A. SHAHABI — On the lattice of all subgroups of a finite noncyclic simple group	289
Paul FLAVELL — Generation theorems for finite groups	291
A. A. IVANOV — Non-abelian representations of geometries	301
Masaaki KITAZUME and Masahiko MIYAMOTO — 3-transposition automorphism groups of VOA	315
Takeshi KONDO — The calculation of the character of Moonshine VOA	325
Shigeo KOSHITANI and Naoko KUNUGI — A remark on the Loewy structure for the three dimensional projective special unitary Groups in Characteristic 3	337
John MCKAY — The essentials of Monstrous Moonshine	347
Tetsuro OKUYAMA and Katsuhiko UNO — On the vertices of modules in the Auslander–Reiten quiver III	355
Toshiaki SHOJI — Finite Chevalley groups – representations of finite Chevalley groups	369
Ronald SOLOMON — The shape of the classification of finite the simple groups	379
Gernot STROTH — 2F-modules with quadratic offender for the finite simple groups	391
Franz Georg TIMMESFELD — On the structure of special rank one groups	401
Yoko USAMI — Principal blocks with extra-special defect groups of order 27	413
John WALTER — Bases of chambers of linear Coxeter groups	423
Atsumi WATANABE — The Isaacs character correspondence and isotopies between blocks of finite groups	437
Hioroyoshi YAMAKI — Either $71 : 35$ or $L_2(71)$ is a maximal subgroup of the Monster	449
Satoshi YOSHIARA — Radical subgroups of the sporadic simple group of Suzuki	453
Tomoyuki YOSHIDA — $ \text{Hom}(A, G) $ (III)	465