

## Contents

Preface	ix
Speakers	xi
On character tables and abstract structure of finite groups V. A. BELONOGOV	1
Large transitive groups with many elements having fixed points NIGEL BOSTON	11
Vertex subgroups and vertex pairs in solvable groups JAMES P. COSSEY	17
Threads through group theory PERSI DIACONIS	33
Tate's theorem, and other oddities, via transfer STEPHEN M. GAGOLA, JR.	49
A $p$ -group with no normal large abelian subgroup GEORGE GLAUBERMAN	61
General measuring arguments for finite permutation groups AVI GOREN and MARCEL HERZOG	67
Commutators and wreath products ROBERT M. GURALNICK	79
Gaps in character degrees for groups with many conjugacy classes THOMAS MICHAEL KELLER	83
The number of subgroups of metacyclic groups AVINOAM MANN	93
Problems in character theory GABRIEL NAVARRO	97
Eigenvalues of Cartan matrices of blocks in finite groups TETSURO OKUYAMA and TOMOYUKI WADA	127
Character theory and group rings DONALD S. PASSMAN	139
Lifting theorems and applications to group algebras GEOFFREY R. ROBINSON	149

Character degrees of normally monomial maximal class 5-groups MICHAEL C. SLATTERY	153
Dual pairs of finite classical groups in cross characteristic PHAM HUU TIEP	161