

# Contents

Preface .....	v
On generalized cluster categories <i>Claire Amiot</i> .....	1
Module categories for finite group algebras <i>David J. Benson, Srikanth B. Iyengar and Henning Krause</i> .....	55
On cluster theory and quantum dilogarithm identities <i>Bernhard Keller</i> .....	85
Quantum loop algebras, quiver varieties, and cluster algebras <i>Bernard Leclerc</i> .....	117
Weighted projective lines and applications <i>Helmut Lenzing</i> .....	153
Cohomology of block algebras of finite groups <i>Markus Linckelmann</i> .....	189
Algebras with separating Auslander–Reiten components <i>Piotr Malicki and Andrzej Skowroński</i> .....	251
Classification problems in noncommutative algebraic geometry and representation theory <i>Izuru Mori</i> .....	355
Periodicities in cluster algebras and dilogarithm identities <i>Tomoki Nakanishi</i> .....	407
The Tits forms of tame algebras and their roots <i>José Antonio de la Peña and Andrzej Skowroński</i> .....	445
The minimal representation-infinite algebras which are special biserial <i>Claus Michael Ringel</i> .....	501

Coalgebras of tame comodule type, comodule categories, and a tame-wild dichotomy problem  
*Daniel Simson* ..... 561

Singularities of orbit closures in module varieties  
*Grzegorz Zwara* ..... 661

List of Contributors ..... 727