

1. Record Nr.	UNINA9910300128103321
Titolo	Geometric and Topological Aspects of the Representation Theory of Finite Groups : PIMS Summer School and Workshop, July 27-August 5, 2016 // edited by Jon F. Carlson, Srikanth B. Iyengar, Julia Pevtsova
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-94033-3
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (493 pages)
Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1009 ; ; 242
Disciplina	512.2
Soggetti	Category theory (Mathematics) Homological algebra Topological groups Lie groups Associative rings Rings (Algebra) Group theory Category Theory, Homological Algebra Topological Groups, Lie Groups Associative Rings and Algebras Group Theory and Generalizations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Restricting Homology to Hypersurfaces (L.L. Abramov, S.B. Iyengar) -- Thick Subcategories of the Relative Stable Category (J.F. Carlson) -- Nilpotent Elements in Hochschild Cohomology (K. Erdmann) -- Rational Cohomology and Supports for Linear Algebraic Groups (E. Friedlander) -- Globally Irreducible Weyl Modules for Quantum Groups (S. Garibaldi, R.M. Guralnick, D.K. Nakano) -- Understanding Finite Dimensional Representations Generically (K.R. Goodearl, B. Huisgen-Zimmermann) -- Anderson and Gorenstein Duality (J.P.C. Greenlees, V. Stojanoska) -- Extensions of the Benson-Solomon Fusion Systems (E. Henke, J. Lynd) -- Descent of Equivalences and Character Bijections (R. Kessar, M. Linckelmann) -- Length Categories of Infinite Height (H. Krause, D.

Vossieck) -- On Automorphisms and Focal Subgroups of Blocks (M. Linckelmann) -- Examples of Descent Up to Nilpotence (A. Mathew) -- A Remark on the Construction of Centric Linking Systems (B. Oliver) -- Varieties of Elementary Subalgebras of Maximal Dimension for Modular Lie Algebras) -- Varieties Related to the Problem of Lifting Gr-modules to G (P. Sobaje) -- Complete Boolean Algebras are Bousfield Lattices (G. Stevenson) -- Endotrivial Modules for Infinite Groups (P. Symonds) -- Cohomology of Algebraic Groups with Coefficients in Twisted Representations (A. Touze) -- Bilinear Forms of Grothendieck (P. Webb) -- Varieties for Modules of Finite Dimension Hopf Algebras (S. Witherspoon).

---

Sommario/riassunto

These proceedings comprise two workshops celebrating the accomplishments of David J. Benson on the occasion of his sixtieth birthday. The papers presented at the meetings were representative of the many mathematical subjects he has worked on, with an emphasis on group representations and cohomology. The first workshop was titled "Groups, Representations, and Cohomology" and held from June 22 to June 27, 2015 at Sabhal Mòr Ostaig on the Isle of Skye, Scotland. The second was a combination of a summer school and workshop on the subject of "Geometric Methods in the Representation Theory of Finite Groups" and took place at the Pacific Institute for the Mathematical Sciences at the University of British Columbia in Vancouver from July 27 to August 5, 2016. The contents of the volume include a composite of both summer school material and workshop-derived survey articles on geometric and topological aspects of the representation theory of finite groups. The mission of the annually sponsored Summer Schools is to train and draw new students, and help Ph.D students transition to independent research. .

---