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Graded Weak Hopf Algebra and its Quantum Double Fang Li and Haijun Cao; Notes on FP-projective Modules and FP-injective Modules Lixin Mao and Nanqing Ding; A Survey of Morhic Modules and Rings W. K. Nicholson; Clean Rings: A Survey W. K. Nicholson and Yiqiang Zhou Flat Cover and Cotorsion Envelope Commute Phillip Rothmaler A Generalization of the DeMeyer Theorem for Central Galois Algebras George Szeto and Lianrong Xue; Weak Krull Dimension over Commutative Rings Gaohua Tang; Baer Property of Modules and Applications S. Tariq Rizvi and Cosmin S. Roman; Properties of Graded Formal Triangular Matrix Rings Yao Wang and Y. L. Ren; Power-substitution and Exchange Rings Jiaqun Wei; From Galois Field Extensions to Galois Comodules Robert Wisbauer; On the Finitistic Dimension Conjecture Changchang Xi Galois Coverings of Selfinjective Algebras by Twisted Repetitive Algebras Kunio Yamagata The Clebsch-Gordan Decomposition for Quantum Algebra Shilin Yang and Hong Wang; Computation of the Projective Dimension of Finitely Generated Modules over Polynomial Rings Zhong Yi

Sommario/riassunto

The selected papers in this volume cover all the most important areas of ring theory and module theory such as classical ring theory, representation theory, the theory of quantum groups, the theory of Hopf algebras, the theory of Lie algebras and Abelian group theory. The review articles, written by specialists, provide an excellent overview of the various areas of ring and module theory - ideal for researchers looking for a new or related field of study. Also included are original articles showing the trend of current research.
