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Nota di contenuto	Preface; Contents; 0. Introduction; 1. Preliminaries; 1.1 Presenting Algebras by Relations; 1.2 S-Graded Algebras and Modules; 1.3 - Filtered Algebras and Modules; 2. The -Leading Homogeneous Algebra A LH; 2.1 Recognizing A via G (A): Part 1; 2.2 Recognizing A via G (A): Part 2; 2.3 The -Graded Isomorphism A LH G (A); 2.4 Recognizing A via A LH; 3. Grobner Bases: Conception and Construction; 3.1 Monomial Ordering and Admissible System; 3.2 Division Algorithm and Grobner Basis; 3.3 Grobner Bases and Normal Elements; 3.4 Grobner Bases w.r.t. Skew Multiplicative K-Bases 3.5 Grobner Bases in $K[x_1, \dots, x_n]$ and KQ 3.6 (De)homogenized Grobner Bases; 3.7 dh-Closed Homogeneous Grobner Bases; 4. Grobner Basis Theory Meets PBW Theory; 4.1 -Standard Basis and - PBW Isomorphism; 4.2 Realizing - PBW Isomorphism by Grobner Basis; 4.3 Classical PBW K-Bases vs Grobner Bases; 4.4 Solvable Polynomial Algebras Revisited; 5. Using AB LH in Terms of Grobner Bases; 5.1 The Working Strategy; 5.2 Ufnarovski Graph; 5.3 Determination of Gelfand-Kirillov Dimension; 5.4 Recognizing Noetherianity; 5.5 Recognizing (Semi-)Primeness and PI-Property 5.6 Anick's Resolution over Monomial Algebras5.7 Recognizing Finiteness of Global Dimension; 5.8 Determination of Hilbert Series; 6. Recognizing (Non-)Homogeneous p-Koszulity via ABLH; 6.1 (Non-) Homogeneous p-Koszul Algebras; 6.2 Anick's Resolution and Homogeneous p-Koszulity; 6.3 Working in Terms of Grobner Bases; 7.

A Study of Rees Algebra by Grobner Bases; 7.1 Defining A by G^* ; 7.2 Defining A by G; 7.3 Recognizing Structural Properties of A via G; 7.4 An Application to Regular Central Extensions; 7.5 Algebras Defined by dh-Closed Homogeneous Grobner Bases; 8. Looking for More Grobner Bases
 8.1 Lifting (Finite) Grobner Bases from $On(ji)$ 8.2 Lifting (Finite) Grobner Bases from a Class of Algebras; 8.3 New Examples of Grobner Basis Theory; 8.4 Skew 2-Nomial Algebras; 8.5 Almost Skew 2-Nomial Algebras; Bibliography; Index

Sommario/riassunto

This monograph strives to introduce a solid foundation on the usage of Grobner bases in ring theory by focusing on noncommutative associative algebras defined by relations over a field K. It also reveals the intrinsic structural properties of Grobner bases, presents a constructive PBW theory in a quite extensive context and, along the routes built via the PBW theory, the book demonstrates novel methods of using Grobner bases in determining and recognizing many more structural properties of algebras, such as the Gelfand-Kirillov dimension, Noetherianity, (semi-)primeness, PI-property, finitenes

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Nota di contenuto	The Language of Gender and Class Transformation in the Victorian Novel; Copyright; Contents; Acknowledgements; Note on references; 1 The Representation of Society in the Early Nineteenth Century; 2 The Interlocked Coding of Class and Gender; 3 Shirley; 4 North and South; 5 Hard Times; 6 Changes in the Representation of Class in the Second Half of the Nineteenth Century; 7 Felix Holt; 8 The Unclassed; 9 Jude The Obscure; Bibliography; Index
Sommario/riassunto	The Language of Gender and Class challenges widely-held assumptions about the study of the Victorian novel. Lucid, multilayered and cogently argued, this volume will provoke debate and encourage students and scholars to rethink their views on nineteenth-century literature. Examining six novels, Patricia Ingham demonstrates that none of the writers, male or female, easily accept stereotypes of gender and class. The classic figures of Angel and Whore are reassessed and modified. And the result, argues Ingham, is that the treatment of gender by the late nineteenth century is released