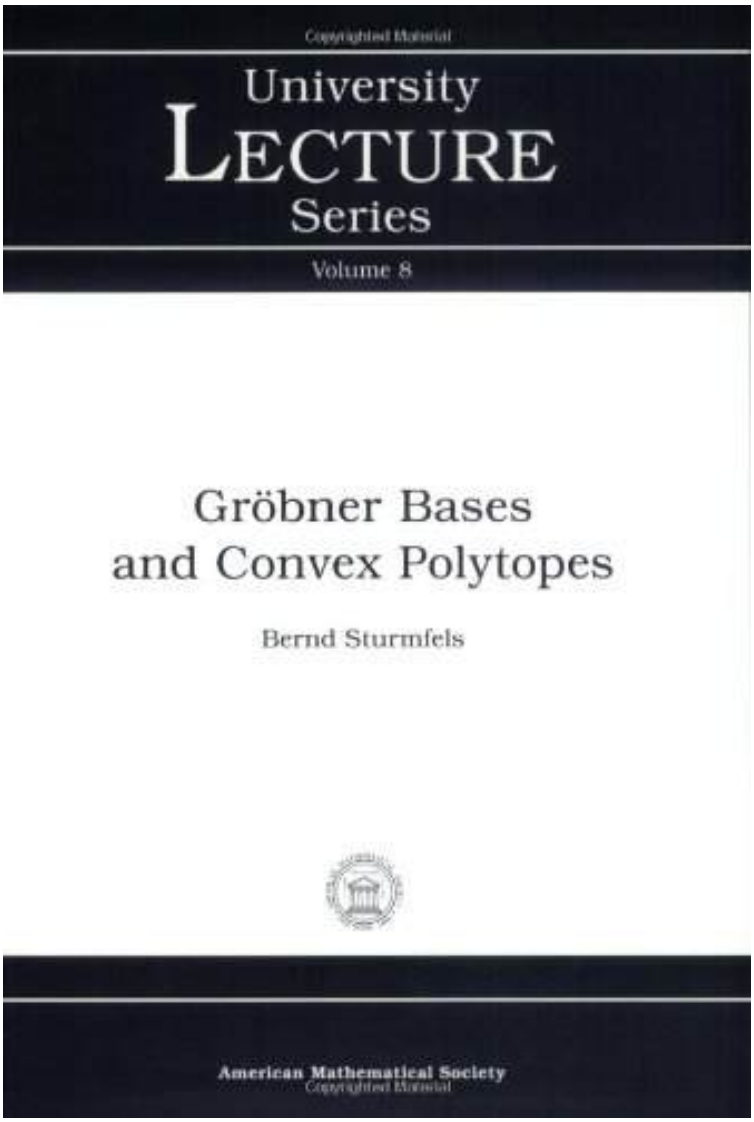
Grobner Bases and Convex Polytopes (University Lecture Series, No. 8)

By Bernd Sturmfels
*DOC | *audiobook | ebooks | Download PDF | ePub*



| #2371139 in Books | American Mathematical Society | 1995-12-14 | Original language: English | PDF # 1 | 10.00 x 7.25 x .50l, .70 | File type: PDF | 162 pages | | File size: 69.Mb

By Bernd Sturmfels : Grobner Bases and Convex Polytopes (University Lecture Series, No. 8) Grobner Bases and Convex Polytopes (University Lecture Series, No. 8):

4 of 4 review helpful A dense but excellent text By Davis C Doherty I cannot recommend this text highly enough to anyone who is working with Grobner bases especially in computational commutative algebra Toric ideals the state polytope several algorithms for computing Grobner bases Sturmfels brings all this together as well as showing how it can all be applied to problems such as that of integer programming This book is about the interplay of computational commutative algebra and the theory of convex polytopes It centers around a special class of ideals in a polynomial ring the class of toric ideals They are characterized as those prime ideals that are generated by monomial differences or as the defining ideals of toric varieties not necessarily normal The interdisciplinary nature of the study of Gr ouml bner bases is reflected by the specific applications appearing i This book is a state of the art account of the rich interplay between combinatorics and geometry of convex polytopes and computational commutative algebra via the tool of Gr ouml bner bases It is an essential introduction for those who wish to perform resear

summary

Related:
Almost Complex and Complex Structures (Series in Pure Mathematics)
Tensor Analysis With Applications in Mechanics
Projective Differential Geometry Of Curves And Surfaces
Inversion Theory and Conformal Mapping (Student Mathematical Library, V. 9)
Topics in Extrinsic Geometry of Codimension-One Foliations (SpringerBriefs in Mathematics)
Leman Dynamics of Nonholonomic Systems (Translations of Mathematical Monographs, V. 33)
The Differential Geometry of Finsler Spaces (Grundlehren der mathematischen Wissenschaften)
Differential Geometry in Array Processing
Geometrical Foundations of Continuum Mechanics: An Application to First- and Second-Order Elasticity and Elasto-Plasticity (Lecture Notes in Applied Mathematics and Mechanics)
Leman Lie Groups and Geometric Aspects of Isometric Actions

Home | *DMCA* | *Contact US* | *sitemap*