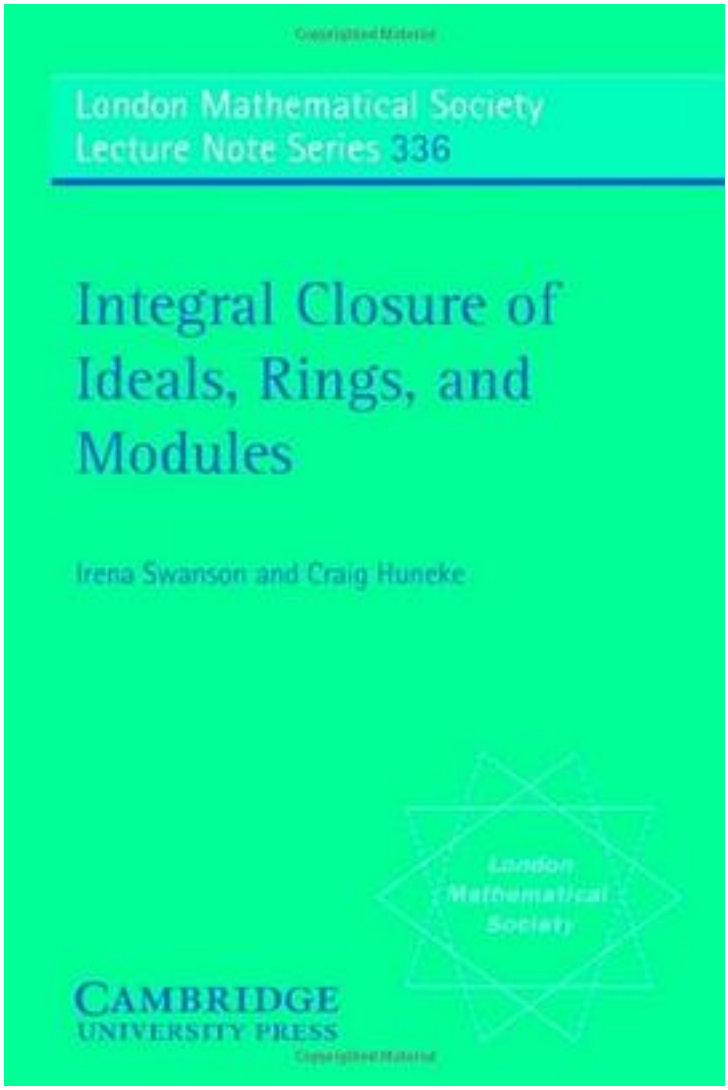
Integral Closure of Ideals, Rings, and Modules



Integral Closure of Ideals, Rings, and Modules_下载链接1_

著者:Huneke, Craig/ Swanson, Irena

出版者:Cambridge Univ Pr

出版时间:2006-10

装帧:Pap

isbn:9780521688604

Integral closure has played a role in number theory and algebraic geometry since the nineteenth century, but a modern formulation of the concept for ideals perhaps began with the work of Krull and Zariski in the 1930s. It has developed into a tool for the analysis of many algebraic and geometric problems. This book collects together the central notions of integral closure and presents a unified treatment. Techniques and topics covered include: behavior of the Noetherian property under integral closure, analytically unramified rings, the conductor, field separability, valuations, Rees algebras, Rees valuations, reductions, multiplicity, mixed multiplicity, joint reductions, the Briancon-Skoda theorem, Zariski's theory of integrally closed ideals in two-dimensional regular local rings, computational aspects, adjoints of ideals and normal homomorphisms. With many worked examples and exercises, this book will provide graduate students and researchers in commutative algebra or ring theory with an approachable introduction leading into the current literature.

作者介绍:

目录:

Integral Closure of Ideals, Rings, and Modules_下载链接1_

标签

数学

其余代数7

代数

交换代数

Commutative_Algebra

评论

Integral Closure of Ideals, Rings, and Modules_下载链接1_

书评

Integral Closure of Ideals, Rings, and Modules_下载链接1_