

《On Invariants and th》

图书基本信息

书名：《On Invariants and the Theory of Numbers (精装)》

13位ISBN编号：9780486438283

10位ISBN编号：0486438287

出版时间：2004-9

出版社：Dover Publications (2004年6月10日)

作者：Leonard Eugene Dickson

页数：110

版权说明：本站所提供下载的PDF图书仅提供预览和简介以及在线试读，请支持正版图书。

更多资源请访问：www.tushu111.com

《On Invariants and th》

内容概要

Of enormous historical importance, this classic offered the first public formulation of Dickson's theory of invariants for modular forms and linear transformations. In many sections of the five lectures included here, Dickson aimed not at complete generality, but at an illumination of typical and suggestive topics. The introductory lecture is followed by sections on seminvariants of algebraic and modular binary forms; invariants of a modular group and formal invariants and covariants of modular forms; modular geometry and covariant theory of a quadratic form in m variables, modulo 2; and a theory of plane cubic curves with a real inflexion point valid in ordinary and in modular geometry. 1914 ed.

书籍目录

INTRODUCTION LECTURE IA THEORY OF INVARIANTTS APPLICABLE TO ALGEBRAIC AND MODULAR FORMS 1-3. Introduction to the algebraic side of the theory by means of the example of an algebraic quadratic form in m variables 4-7. Introduction to the number theory side of the theory of invariants by means of the example of a modular quadratic form 8-9. Modular invariants are rational and integral 10. Characteristic modular invariants 11. Number of linearly independent modular invariants 12. Fundamental system of modular invariants 13. Minor ro1e of modular covariants 14. References to further developments LECTURE IISEMINVARIANTS OF ALGEBRAIC AND MODULAR BINARY FORMS 1-6. Introductory example of the binary quartic form 7-10. Fundamental system of modular seminvariants of a binary n -ic derived by induction from $n - 1$ to n 11. Explicit fundamental system when the modulus exceeds n 12. Another method for the case $p > n$ 13. Number of linearly independent seminvariants 14-15. Derivation of modular invariants from semin-variants LECTURE III INVARIANTS OF A MODULAR GROUP. FORMAL INVARIANTS AND COVARIANTS OF MODULAR FORMS. APPLICATIONS 1-4. Invariants of certain modular groups; problem of Hurwitz 5-11. Formal invariants and scminvariants of binary modular forms 12. Theorem of Miss Sanderson 13. Fundamental systems of modular covariants 14. Form problem for the total binary modular group 15. Invariantive classification of forms LECTURE IV MODULAR GEOMETRY AND COYARIANTIVE THEORY OF A QUAD RATIC FORM IN m VARIABLES MODULO 2 1-2. Introduction. The polar locus 3. Odd number of variables; apex; linear tangential equation 4. Covariant line of a conic 5. Even number of variables 6. Covariant plane of a degenerate quadric surface 7. A configuration defined by the quinary surface 8. Certain formal and modular covariants of a conic 9-32. Fundamental system of covariants of a conic 33. References on modular geometry LECTURE V A THEORY OF PLANE CUBIC CURVES WITH A REAL INFLEXION POIN VALID IN ORDINARY AND IN MODULAR GEOMETRY

精彩短评

1、不变量这种思维方法，可以用在很多场合，看似复杂的东西，其实，都是万变不离其宗的，同样也可以演变成一种技巧。

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:www.tushu111.com