

1. Record Nr.	UNINA9910154753303321
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Titolo	Arithmetic Moduli of Elliptic Curves. (AM-108), Volume 108 // Barry Mazur, Nicholas M. Katz
Pubbl/distr/stampa	Princeton, NJ : , : Princeton University Press, , [2016] ©1985
ISBN	9781400881710 1400881714
Descrizione fisica	1 online resource (532 pages) : illustrations
Collana	Annals of Mathematics Studies ; ; 272
Disciplina	516.3/5
Soggetti	Curves, Elliptic Moduli theory Geometry, Algebraic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter -- TABLE OF CONTENTS -- INTRODUCTION -- Chapter 1. GENERALITIES ON "A-STRUCTURES" AND "A-GENERATORS" -- Chapter 2. REVIEW OF ELLIPTIC CURVES -- Chapter 3. THE FOUR BASIC MODULI PROBLEMS FOR ELLIPTIC CURVES: SORITES -- Chapter 4. THE FORMALISM OF MODULI PROBLEMS -- Chapter 5. REGULARITY THEOREMS -- Chapter 6. CYCLICITY -- Chapter 7. QUOTIENTS BY FINITE GROUPS -- Chapter 8. COARSE MODULI SCHEMES, CUSPS, AND COMPACTIFICATION -- Chapter 9. MODULI PROBLEMS VIEWED OVER CYCLOTOMIC INTEGER RINGS -- Chapter 10. THE CALCULUS OF CUSPS AND COMPONENTS VIA THE GROUPS $T[N]$, AND THE GLOBAL STRUCTURE OF THE BASIC MODULI PROBLEMS -- Chapter 11. INTERLUDE-EXOTIC MODULAR MORPHISMS AND ISOMORPHISMS -- Chapter 12. NEW MODULI PROBLEMS IN CHARACTERISTIC p ; IGUSA CURVES -- Chapter 13. REDUCTIONS mod p OF THE BASIC MODULI PROBLEMS -- Chapter 14. APPLICATION TO THEOREMS OF GOOD REDUCTION -- NOTES ADDED IN PROOF -- REFERENCES
Sommario/riassunto	This work is a comprehensive treatment of recent developments in the study of elliptic curves and their moduli spaces. The arithmetic study of the moduli spaces began with Jacobi's "Fundamenta Nova" in 1829, and

the modern theory was erected by Eichler-Shimura, Igusa, and Deligne-Rapoport. In the past decade mathematicians have made further substantial progress in the field. This book gives a complete account of that progress, including not only the work of the authors, but also that of Deligne and Drinfeld.
