

ELLIPTIC CURVES MODULAR FORMS AND IWASAWA THEORY IN HONOUR OF JOHN H  
COATES 70TH BIRTHDAY CAMBRIDGE UK MARCH 2015





## elliptic curves modular forms pdf

Modular Functions and Modular Forms (Elliptic Modular Curves) J.S. Milne Version 1.31 March 22, 2017

## Modular functions and modular forms - James Milne

Although the formal definition of an elliptic curve is fairly technical and requires some background in algebraic geometry, it is possible to describe some features of elliptic curves over the real numbers using only introductory algebra and geometry.. In this context, an elliptic curve is a plane curve defined by an equation of the form  $y^2 = x^3 + ax + b$  where a and b are real numbers.

## Elliptic curve - Wikipedia

1980 Etale Cohomology Princeton Mathematical Series 33, Princeton University Press, 323+xiii pages, ISBN 0-691-08238-3  
An exposition of étale cohomology assuming only a knowledge of basic scheme theory.

## Books -- J.S. Milne

In mathematics, a modular form is a (complex) analytic function on the upper half-plane satisfying a certain kind of functional equation with respect to the group action of the modular group, and also satisfying a growth condition. The theory of modular forms therefore belongs to complex analysis but the main importance of the theory has traditionally been in its connections with number theory.

## Modular form - Wikipedia

Special Issue on Applications of Automorphic Forms in Number Theory and Combinatorics - In honor of the lifelong work of Wen-Ching Winnie Li

## Journal of Number Theory | ScienceDirect.com

Genus 2 curves with several points contained in an arithmetic progression (Slides of a talk at Arithmetic Geometry, Number Theory, and Computation, MIT, 2018-08-24) pdf: Simultaneous torsion in the Legendre family of elliptic curves

## Papers, Preprints and Lecture Notes by Michael Stoll

Research Interests: Number theory, elliptic curves, arithmetic and Diophantine geometry, number theoretic aspects of dynamical systems, cryptography. Mathematical genealogy and list of Ph.D. students. CV and Publications. Click Here for a CV and complete list of publications.. Books. Moduli Spaces and Arithmetic Dynamics, CRM Monograph Series 30, AMS, 2012.

## Home Page of Joseph Silverman - Department of Mathematics

Online Math Courses, videos and lectures from leading universities. This has links to some excellent number theory courses. Algebraic Number Theory and commutative algebra, lecture notes by Robert Ash ; Lecture notes on p-adic numbers and introductory number theory (Andrew Baker) ; Algebraic number theory notes (Matt Baker - pdf) ; Cours d'arithmétique, notes by Pascal Boyer

## Online number theory lecture notes and teaching materials

Special Issue on the Third International Symposium on Groups, Algebras and Related Topics Celebrating the 50th Anniversary of the Journal of Algebra

## Journal of Algebra | ScienceDirect.com

Brian Conrad's homepage at Stanford University. Number theory and representation theory seminar Analytic number theory, algebraic number theory, arithmetic geometry, automorphic forms, and even some things not beginning with the letter "a". It's a big subject. Schedule and notes for the 2017-18 Seminaire Godement

## Brian Conrad - Stanford Department of Mathematics

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