
Rational Points Modular Elliptic Curves

rational points on modular elliptic curves henri darmon - rational points on modular elliptic curves henri darmon department of mathematics, mcgill university, montreal, que-bec, canada, h3a-2k6 current address: department ... **rational points on modular elliptic curves i. elliptic curves** - rational points on modular elliptic curves i. elliptic curves hedrick lecture series maa mathfest boulder, colorado august 2003 <http://mathgill/darmon> **rational points on elliptic curves** - rational points on elliptic curves alexandru gica1 april 8, 2006 1notes, lateximplementation and additional comments by mihai fulger **rational points of elliptic curve - worldscientific** - rational points of elliptic curve $y^2 = x^3 + kx^2 + k^3 \dots = 0$, using the theory of modular forms. in ... all q -rational points of the quadratic twist are torsion points. **elliptic points of the picard modular group** - elliptic points of the picard modular group 393 definition 2.1 a subset $\subset p$ is called admissible if $d(i)$ is non-empty and strongly admissible if $d(i)$ is non-empty. **projects on elliptic curves and modular forms - penn math** - projects on elliptic curves and modular forms math 480, spring 2010 in the following are 11 projects for this course. ... rational points on elliptic curves, **elliptic curves, l-functions, and cm-points** - elliptic curves, l-functions, and cm-points ... and mazur to construct rational points of finite order in ... the existence of the modular elliptic curve over ... **rational points on modular elliptic curves henri darmon** - rational points on modular elliptic curves henri darmon department of mathematics, mcgill university, montreal, que-bec, canada, h3a-2k6 current address: department ... **graduate texts in mathematics 106** - graduate texts in mathematics 106 editorial board ... light the arithmetic and modular theory, ... edness for torsion points on elliptic curves over number ... **rational points on atkin-lehner twists of modular curves** - rational points on atkin-lehner twists of modular curves 3 adding $2r$ cusps. the noncuspidal points of this riemann surface parameterize elliptic curves over the ... **density of rational points on elliptic surfaces** - density of rational points on elliptic surfaces ronald van lуйjk abstract. suppose v is a surface over a number field k that admits two elliptic fibrations. **elliptic curves and modularity - few - rational points $e(k)$ get the structure of an abelian group.** if k is a number field, then the mordell-weil theorem states that $e(k)$ is finitely generated, i.e. **arithmetic of elliptic curves and modular forms** - arithmetic of elliptic curves and modular forms ... modular forms and elliptic curves are firmly rooted in the fertile ... rational points is the objective of the ... **are an curve - researchgate** - j. math. soc. japan vol. 25, no. 1, 1973 on rational points of the generic elliptic curve with level n structure over the field of modular functions of level n by **on the computation of modular polynomials for elliptic curves** - on the computation of modular polynomials for ... several approaches to the computation of modular ... additive group of rational points of an elliptic ... **descending rational points on elliptic curves to smaller ...** - descending rational points on elliptic curves to smaller fields amir akbary and v. kumar murthy abstract in this paper, we study the mordell-weil group of an ... **rational families of 17-torsion points of elliptic curves ...** - an analogous investigation of certain types of subgroups of torsion points on elliptic curves rational ... 2e modular curve that classifies such torsion, $x(n; m)$, ... **moduli of elliptic curves - math.leidenuniv** - moduli of elliptic curves ... and with $o \in e(k)$ a rational point. every elliptic curve (e, o) ... the points obtained by specialising o) ... **heegner points on elliptic curves with a rational torsion ...** - heegner points on elliptic curves with a rational torsion point dongho byeon abstract. using heegner points on elliptic curves, we construct points of infinite **the rational group structure of modular jacobians** - the rational group structure of modular jacobians with applications to torsion points on elliptic curves over number fields maarten derickx 1algant (leiden, bordeaux ... **elliptic curves, modularity, and fermat's last theorem** - rational points $e(k)$ get the structure of an abelian group. if k is a number field, then the mordell-weil theorem states that $e(k)$ is finitely generated, i.e. **m rational points on modular curves - uniroma1** - rational points on modular curves relatore ... chosen elliptic curve, ... the results of the search of rational points. the modular curves $x^2 + y^2 = p$ **elliptic curves and modular forms - mast.queensu** - shafarevic-tate group for modular elliptic curves of rank zero and one. consider the problem of finding all the rational points on the curve $c: x^2 + y^2 = l$. **errata and corrections to rational points on elliptic ...** - errata and corrections to rational points on elliptic curves ... 2 rational points on elliptic curves ... modular form) that has some ... **elliptic functions - universiteit leiden** - elliptic functions - p. stevenhagen ... in that case rational functions ... i.e. the curve consisting of points of the form $(t; p \pm t^2)$. **an introduction to the theory of elliptic curves [pdf]** - elliptic curves what is an elliptic curve? ... points of an elliptic curve into a group. the next few slides illustrate how this is accomplished. **elliptic curves - universiteit utrecht** - an elliptic curve is an object which lives over ... in recent years the theory of modular forms and modular elliptic curves has produced ... will not be rational, so **math 788e, arithmetic of elliptic curves** - math 788e, arithmetic of elliptic curves fall 2008 ... rational points on modular elliptic curves. (3) husemoller, dale. elliptic curves. (4) silverman, joseph h. **iterated integrals, diagonal cycles and rational points on ...** - iterated integrals, diagonal cycles and rational points on elliptic curves victor rotger november 2, 2011 victor rotger iterated integrals, cycles and rational points **modularity of some elliptic curves over totally real fields** - ment regarding possible non-modular elliptic curves with full 2-torsion over a general ... mine all rational points on the modular curves that we need. **a differential introduction to modular forms and elliptic ...** - modular forms and elliptic curves are firmly rooted in the

fertile grounds of number theory. ... p -rational points of e and we write $n_p = \#e(f/p)$ here f on the **denominators of rational points on elliptic curves** - classical and modular approaches, can be found in [1], which also contains a historical survey of the problem. ... rational points on elliptic curves 765 **elliptic modular forms and their applications** - elliptic modular forms and ... there are two cardinal points about them which explain ... functions and modular forms as in some sense the analogues of rational num- **counting points on elliptic curves over f_q - hyperelliptic** - counting points on elliptic curves over f_q ... the number of rational points ... the l th modular polynomial ... **-adic rankin -series and rational points on cm elliptic curves** - p -adic rankin l -series and rational points on cm elliptic curves 3 so that $l(\cdot; s)$ vanishes to odd order at $s = 1$. for technical reasons, it will also be convenient to make **modular forms, elliptic and modular curves** - modular forms, elliptic and modular curves ... points 'modular curves', ... connected curve with a distinguished q -rational point o . alternatively, **zeros of the modular parametrization of rational elliptic** ... - some rational elliptic curves whose modular parametrization is given by an eichler integral were considered. the points, other than cusps, **stark-heegner points - university of arizona** - stark-heegner points ... to make a careful study of rational points on elliptic curves arising from null ... rational points on modular elliptic curves, cbms regional ... **torsion points of elliptic curves - university of chicago** - rational points, the discriminant, and the nagell-lutz theorem 9 5. elliptic curves over finite fields 16 5.1. singularity 16 ... torsion points of elliptic curves 5 **symmetric squares of elliptic curves: rational points and ...** - rational points, and also gives an ... shimura-taniyama-weil conjecture, that every elliptic curve e/q is modular. although the work of taylor and wiles [wiles 95], ... **math 8620 { algebraic geometry: elliptic curves - uvacollab** - math 8620 { algebraic geometry: elliptic curves ... introduction to elliptic curves and modular forms, ... rational points on elliptic curves, ... **maz-1 rational points on modular curves - springer** - rational points on modular curves by b. mazur ... rational points on modular curves ... rational isogeny, then the elliptic modular invariant $j(e)$... **two p -adic l -functions and rational points on elliptic ...** - two p -adic l -functions and rational points on elliptic curves with supersingular reduction masato kurihara and robert pollack 0 introduction let e be an elliptic curve ... **rational points on curves over finite fields and drinfeld ...** - rational points on curves over finite fields and ... modular curves (elliptic, shimura ... rational points on curves over finite fields and drinfeld modular varieties **special point problems with elliptic modular surfaces** - special point problems with elliptic modular surfaces ... we prove a "special point" result for products of elliptic modular surfaces, ... dense set of rational points. **torsion points on elliptic curves and modular polynomial ...** - torsion points on elliptic curves and modular polynomial symmetries semjon adlaj ccras, moscow, russia ... **eld of rational functions in the variable 4. monodromy of elliptic surfaces - nyu courant** - monodromy of elliptic surfaces ... h the upper half-plane completed by ∞ and by rational points in r ... in section 4 we give a modular construction of elliptic ... **equations for modular curves - department of mathematics** - equations for modular curves d. phil ... 7 rational points on modular curves 76 ... algorithm for counting the number of points on an elliptic curve over a finite ...

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