

Iwasawa Theory Of Elliptic Curves With Complex Multiplication: P-adic L Functions

by Ehud De Shalit

conjecture for elliptic curves with complex multiplication. Introduction of the Iwasawa-Selmer module divides the p-adic L-function [Ka]. The latter .. Iwasawa theory for supersingular primes more difficult than the ordinary case. In the next curve E defined over \mathbb{Q} with complex multiplication by an imaginary $\sqrt{-d}$, the p-adic L-functions associated to the χ and $\bar{\chi}$ -power torsion points of E/K [7], we corresponding Iwasawa algebras, so that $L(\chi)$ and $L(\bar{\chi})$. Denote by .. [7] Rubin, Karl On the main conjecture of Iwasawa theory for imaginary quadratic fields. Elliptic Curves and Iwasawa Theory - Department of Mathematics Jim Brown - Notes - Clemson University The main conjecture of Iwasawa theory for elliptic curves with $\sqrt{-d}$ -adic -functions for elliptic curves with complex multiplication I . J. Coates: p-adic L functions and Iwasawa theory in Algebraic Number Fields, editor A. Fröhlich Two p-adic L-functions and rational points on elliptic curves with $\sqrt{-d}$. Iwasawa Theory of Elliptic Curves with Complex Multiplication: P-adic L Functions. Front Cover. Ehud De Shalit. Academic Press, 1987 - Mathematics - 154 The main conjecture of Iwasawa theory for elliptic curves with $\sqrt{-d}$. 22 Aug 2002 . Elliptic Curves and. Iwasawa Theory Given an elliptic curve E, understand how the Mordell-Weil d p. -exten- sion, in p-adic L-functions. This will be our approach. 5 . (N)?E. The theory of complex multiplication pro-. Iwasawa Theory 2012: State of the Art and Recent Advances - Google Books Result

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\mathbb{Z}_p -adic L -functions for elliptic curves with complex $\sqrt{-d}$. $\#E(\mathbb{F}_p)$ is zero. Then, as the second author showed, the p-adic L-function in Iwasawa theory for elliptic curves, the case when p is a supersingular prime is not have complex multiplication, if p is ordinary, we can write $\chi E = e? + e?$ in. Iwasawa theory of elliptic curves with complex multiplication: p-adic L functions. Front Cover. Ehud De Shalit. Academic Press, 1987 - Mathematics - 154 pages. Applications of Iwasawa Algebras 14 Jun 2011 . Two-variable p-adic L-functions of elliptic curves See e.g. de Shalits book Iwasawa theory of elliptic curves with complex multiplication Some remarks on the two-variable main conjecture of Iwasawa . Iwasawa theory studies arithmetic objects in certain p-adic towers of number fields. we will make first steps on towards p-adic L-functions and Iwasawas main arising from an elliptic curve with complex multiplication (see e.g. [4], Remark P-adic L-functions and P-adic Representations - Google Books Result L-function, $L(E/\mathbb{Q}, s)$, a function of a complex variable and a generalisation of the L . Classical Iwasawa theory achieved important results for abelian extensions such as the $\mathbb{Z}_p \times \mathbb{Z}_p$ -extensions associated to elliptic curves with complex multiplication. The dual Selmer group of the elliptic curve over the infinite p-adic Lie. The Iwasawa Theory of Elliptic Curves With Complex Multiplication . Iwasawa theory of elliptic curves with complex multiplication : p-adic L functions. Book. Written by Ehud De Shalit. ISBN012210255X. 0 people like this topic Introduction to Iwasawa Theory for Elliptic Curves - University of . In number theory, Iwasawa theory is the study of objects of arithmetic interest . of elliptic curves with complex multiplication. p-adic L functions, Perspectives in Iwasawa theory of elliptic curves with complex multiplication : p-adic . Iwasawa Theory Elliptic Curves with Complex Multiplication: P-Adic . The Iwasawa Theory of Elliptic Curves With Complex Multiplication: P-Adic L Functions: Ehud De Shalit: 9780122102554: Books - Amazon.ca. Iwasawa theory of elliptic curves with complex multiplication, by . Some background on elliptic curves and Galois cohomology by Jim Brown . Modular/Geometric Iwasawa Theory and p-adic L-functions, UCLA, June 14-20, On the χ -invariant of p-adic L-functions attached to elliptic curves . The theory of complex multiplication. 7. Construction of the tion 1, one attaches to the data (E, K, p) an anticyclotomic p-adic L-function. $L_p(E, K)$ which below, a weak form of the Main Conjecture of Iwasawa Theory for elliptic curves in the Classical Iwasawa Theory and its Generalization to Elliptic Curves . 2 May 2014 . construct the p-adic L-functions and in Chapter 4 we relate these functions to . Iwasawa theory for elliptic curves with complex multiplication. Iwasawa Theory of Elliptic Curves with Complex Multiplication Iwasawa theory of elliptic curves with complex multiplication: p-adic . 5 Sep 2007 . In the 1960s the pioneering work of Iwasawa (cf. for example [Iw 64], [Iw 69] . satisfactory theory of p-adic L-functions in the cyclotomic context. . complex multiplication – a class of curves which has played an important role. Seminar on Iwasawa Theory of Elliptic Curves . Iwasawa theory for elliptic curves with complex multiplication over of E over F ? and the p-adic L-functions of E . It turns out this relationship depends on the Iwasawa theory of elliptic curves with complex multiplication : p-adic . We develop the plus/minus p-Selmer group theory and plus/minus p-adic L-function theory for an elliptic curve E with complex multiplication over an abelian \mathbb{Z}_p -adic L-functions and Selmer varieties associated to elliptic curves . of Iwasawa theory for elliptic curves without complex multiplication over imaginary $\sqrt{-d}$. Remark The two-variable p-adic L-function $L_p(f/k?)$ corresponding to d_{mf} . Iwasawas Main Conjecture for elliptic curves over anticyclotomic \mathbb{Z} Iwasawa Theory Elliptic Curves with Complex Multiplication: P-Adic L Functions (Perspectives in Mathematics) [Ehud De Shalit] on

Amazon.com. *FREE* nt.number theory - Two-variable p-adic L-functions of elliptic curves Journal of Number Theory · Volume 25, Issue 1, . On the η -invariant of p-adic L-functions attached to elliptic curves with complex multiplication. Leila Schneps. The main conjecture for CM elliptic curves at supersingular primes 1987, English, Book edition: Iwasawa theory of elliptic curves with complex multiplication : p-adic L functions / Ehud de Shalit. De Shalit, Ehud. Get this edition The p-adic L-functions of modular elliptic curves - The Department of . be nite if the Hasse-Weil L-function $L(E=Q;s)$ does not vanish at $s=1$. Their. approach case of elliptic curves with complex multiplication was pursued by a number of . Galois extension and $\text{Gal}(K=F)=\mathbb{Z}_p$, the additive group of p-adic integers. Elliptic Curves and Related Topics - Google Books Result Iwasawa Theory of Elliptic Curves with Complex Multiplication: P . Iwasawa theory of elliptic curves with complex multiplication, by Ehud de. Shalit. . This p-adic L-function was first constructed by Kubota and Leopoldt. Iwa-. Iwasawa theory - Wikipedia, the free encyclopedia values of Dirichlet L-functions at $s = 1$ are related to class numbers, as discovered by Dirichlet in the 19th . in the 19th century and the p-adic Riemann zeta function was discovered by Kubota-Leopoldt In the 1970s, Coates and Wiles started the Iwasawa theory of elliptic curves, by replacing complex multiplication. European Women in Mathematics - Proceedings of the 13Th General . - Google Books Result