

Modular Calabi-Yau Threefolds

by Christian Meyer

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14 Dec 2011 . modularity for rigid Calabi-Yau threefolds defined over \mathbb{Q} . They are both ... if this Galois representation is modular, but since that hasn't been ... In the studies on the modularity conjecture for rigid Calabi-Yau threefolds several ... In this note we will deal with Calabi-Yau modular threefolds associated with. The Arithmetic of Calabi-Yau Threefolds - NSF Modular Calabi-Yau Threefolds - Christian Meyer - b ker . - Adlibris Computing the Level of a Modular Rigid Calabi-Yau Threefold 6 Sep 2013 . Official Full-Text Publication: Modular Calabi-Yau threefolds of level eight on ResearchGate, the professional network for scientists. Comments and updated references to Modular Calabi-Yau threefolds We prove a certain Calabi-Yau threefold is modular in the sense that the number of points on its reduction modulo p is expressed in terms of the p th coefficient of . New examples of modular rigid Calabi-Yau threefolds - arXiv A large database of Calabi-Yau threefolds will be constructed, which will include arithmetic data, such as modular forms associated with rigid and other modular . MODULAR CALABI-YAU THREEFOLDS OF LEVEL EIGHT (World .

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In the studies on the modularity conjecture for rigid Calabi-Yau threefolds several examples with the unique level 8 cusp form were constructed. According to the ... Modular Calabi-Yau threefolds of level eight (PDF Download . Modular Calabi-Yau threefolds. Christian Meyer. December 5, 2011. This file contains a list of updated and additional references, including some comments, ... This book discusses the connection between Calabi-Yau threefolds and modular forms. It presents the general theory and brings together the known results. A dictionary of modular threefolds This book discusses the connection between Calabi-Yau threefolds and modular forms. It presents the general theory and brings together the known results. Modular Calabi-Yau Threefolds (Fields Institute Monographs . by providing the explicit affine equation for one particular variety, a modular . By [1], there is a Calabi-Yau threefold \tilde{X} over \mathbb{Q} whose L-series (of $H^3(\tilde{X})$). Review: Modular Calabi-Yau Threefolds EMS 1.5.2 Modularity of non-rigid Calabi-Yau threefolds In chapter 6 we try to link those modular Calabi-Yau threefolds which have the same modular. Modular Calabi-Yau threefolds Facebook The Langlands program predicts that certain Calabi-Yau threefolds are modular in the sense that their L-series correspond to the Mellin transforms of weight 4 . Modular Calabi-Yau Threefolds - Christian Meyer . - Akademia Modular Calabi-Yau Threefolds . Tags: Algebraic Geometry · Arithmetic Algebraic Geometry · Modular Forms and Functions · Log in to post comments ... Modularity of a certain Calabi-Yau threefold - Emory University 3 of the Siegel modular threefold V of level N^3 . Since the geometric genus of V is typically 1, it cannot be Calabi-Yau. However, there should be, as predicted ... Modular Calabi-Yau Threefolds - American Mathematical Society Modular Calabi-Yau threefolds. Book. ... Modular Calabi-Yau threefolds. Privacy · Terms. About. Modular Calabi-Yau threefolds. Book. Written by Christian Meyer. Modular Calabi-Yau Threefolds - Google Books Result Discusses the connection between Calabi-Yau threefolds and modular forms. This title presents the general theory and brings together the known results. OPEN PROBLEMS ON CALABI-YAU VARIETIES . - Math@LSU In this case, we obtain modular forms of weight 4 and of weight 2, in agreement . In general, however, the middle cohomology groups of non-rigid Calabi-Yau ... Arithmetic and intermediate Jacobians of some rigid Calabi-Yau . 27 Apr 2007 . Modular Calabi-Yau threefolds, by Christian Meyer, American Mathematical Society, Providence, RI, 2005, ix+194 pp., US\$59.00, ISBN ... Modular Calabi-Yau threefolds, by Christian Meyer, American . Modular Calabi-Yau Threefolds - Books on Google Play Computing the Level of a Modular Rigid. Calabi-Yau Threefold. Luis V. Dieulefait. CONTENTS. 1. Introduction. 2. The Bound for the Conductor/Level. 3. Finding ... Amazon.com: Modular Calabi-Yau Threefolds (Fields Institute Monographs) (9780821839089): Christian Meyer: Books. A modular Calabi-Yau threefold with CM by $\mathbb{Q}(\sqrt{-23})$ Calabi-Yau threefolds. Matthias Sch tt. ABSTRACT. The aim of this article is to present five new examples of modular rigid Calabi-Yau threefolds by giving ... Luis Dieulefait ON THE MODULARITY OF RIGID CALABI-YAU . In a previous article (see Dieulefait and Manoharmayum), the modularity of a large class of rigid Calabi-Yau threefolds was established. To make that result ... MODULAR CALABI-YAU THREEFOLDS OF . - World Scientific Buy Modular Calabi-Yau Threefolds (Fields Institute Monographs) by Christian Meyer (ISBN: 9780821839089) from Amazon's Book Store. Free UK delivery on ... Rigid Calabi-Yau threefolds over \mathbb{Q} are modular This book discusses the connection between Calabi-Yau threefolds and modular forms. It presents the general theory and brings together the known results. Modular Calabi-Yau Threefolds - Christian Meyer - Google Books Also the eight non-rigid Calabi-Yau threefolds corresponding to the index 24 sub- . For dimension 3, rigid Calabi-Yau threefolds over \mathbb{Q} are modular in the ... The Modularity Conjecture for Calabi-Yau Threefolds $\{P\}$ of Galois representations attached to a rigid Calabi-Yau threefold. X over \mathbb{Q} , we know that the family is potentially modular (results of R. Taylor, cf. [12]), and ... Amazon.com: Modular Calabi-Yau Threefolds (Fields Institute ... This book discusses the connection between Calabi-Yau threefolds and modular forms. It presents the general theory and brings together the known results. Computing the Level of a Modular Rigid Calabi-Yau Threefold 8 Jun 2011 . Modular Calabi-Yau

Threefolds. The Taniyama-Shimura conjecture (used in the proof of Fermats last theorem) relates the number of points on ... Modularity of a certain Calabi-Yau threefold and combinatorial . Modular Calabi-Yau Threefolds
Mathematical Association of America We compute the intermediate Jacobians of the rigid Calabi-Yau threefolds as
. Higher-dimensional modular Calabi-Yau manifolds MR 2364200 (2008i:14063). Modular Forms and Calabi-Yau
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