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Title:	Modular forms and calabi-yau varieties
Authors:	Paranjape, K.H. (/jspui/browse?type=author&value=Paranjape%2C+K.H.)
Keywords:	Calabi-yau Holomorphic newform l-adic
Issue Date:	2015
Publisher:	Cambridge University Press
Citation:	Arithmetic and Geometry, pp. 351-372.
Abstract:	Let b be a holomorphic newform of weight $k \geq 2$ relative to $\Gamma(N)$ acting on the upper half plane H . Suppose the coefficients a_n are all rational. When $k = 2$, a celebrated theorem of Shimura asserts that there corresponds an elliptic curve E over \mathbb{Q} such that for all primes p . Equivalently, there is, for every prime l , an l -adic representation ρ_l of the absolute Galois group of \mathbb{Q} , given by its action on the l -adic Tate module of E , such that ρ_l is, for any p , the trace of the Frobenius Frp at p on ρ_l
Description:	Only IISERM authors are available in the record.
URI:	https://www.cambridge.org/core/books/arithmetic-and-geometry/modular-forms-and-calabiya-varieties/334F6E168E77F3F54DB351079A957D78 (https://www.cambridge.org/core/books/arithmetic-and-geometry/modular-forms-and-calabiya-varieties/334F6E168E77F3F54DB351079A957D78) http://hdl.handle.net/123456789/3080 (http://hdl.handle.net/123456789/3080)
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