

Geometric Modular Forms and Elliptic Curves By Haruzo Hida **Geometric modular forms and elliptic curves** In addition the book presents an outline of the proof of diverse modularity results of two-dimensional Galois representations (including that of Wiles) as well as some of the author's new results in that direction. **Geometric modular forms and elliptic curves ebook free download** As an application a down-to-earth description of formal deformation theory of elliptic curves is incorporated at the end of Chapter 2 (in order to make the proof of regularity of the moduli of elliptic curve more conceptual) and in Chapter 4 though limited to ordinary cases newly incorporated are Ribet's theorem of full image of modular p -adic Galois representation and its generalization to ' p -adic Galois representations under mild assumptions (a new result of the author). **Geometric modular forms and elliptic curves book free** Though some of the striking developments described above is out of the scope of this introductory book the author gives a taste of present day research in the area of Number Theory at the very end of the book (giving a good account of modularity theory of abelian Q -varieties and Q -curves):

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This book provides a comprehensive account of the theory of moduli spaces of elliptic curves (over integer rings) and its application to modular forms: **Geometric modular forms and elliptic curves bj moore** The construction of Galois representations which play a fundamental role in Wiles' proof of the Shimura-Taniyama conjecture is given. **Geometric Modular Forms and Elliptic curveshore reviews** In this new second edition a detailed description of Barsotti-Tate groups (including formal Lie groups) is added to Chapter 1. Geometric Modular Forms and Elliptic Curves

