

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. **Ebook geometric modular forms and elliptic curves free** 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 'big' p -adic Galois representations under mild assumptions (a new result of the author). **Geometric modular forms and elliptic curves ebook download** 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 book pdf free** The construction of Galois representations which play a fundamental role in Wiles' proof of the Shimura-Taniyama conjecture is given: **Book geometric modular forms and elliptic curves pdf download** 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

