

1. Record Nr.	UNINA9910777032003321
Autore	Berndt Bruce C. <1939->
Titolo	Hecke's theory of modular forms and Dirichlet series [[electronic resource] /] / Bruce C. Berndt, Marvin I. Knopp
Pubbl/distr/stampa	Hacensack, NJ, : World Scientific, c2008
ISBN	1-281-93408-9 9786611934088 981-279-237-6
Descrizione fisica	1 online resource (150 p.)
Collana	Monographs in Number Theory
Altri autori (Persone)	HeckeErich <1887-1947.> KnoppMarvin Isadore <1933->
Disciplina	515.243
Soggetti	Dirichlet series Forms (Mathematics) Modular functions Hecke operators
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Expanded version of lecture notes by B. Berndt based in turn on a series of lectures given by Erich Hecke in 1938.
Nota di bibliografia	Includes bibliographical references (p. 129-134) and index.
Nota di contenuto	Preface in Two Acts with a Prelude, Interlude, and Postlude; Contents; 1. Introduction; 2. The main correspondence theorem; 3. A fundamental region; 4. The case $> 2$ ; 5. The case $< 2$ ; 6. The case $= 2$ ; 7. Bochner's generalization of the main correspondence theorem of Hecke, and related results; 8. Identities equivalent to the functional equation and to the modular relation; Bibliography; Index
Sommario/riassunto	In 1938, at the Institute for Advanced Study, E Hecke gave a series of lectures on his theory of correspondence between modular forms and Dirichlet series. Since then, the Hecke correspondence has remained an active feature of number theory and, indeed, it is more important today than it was in 1936 when Hecke published his original papers. This book is an amplified and up-to-date version of the former author's lectures at the University of Illinois at Urbana-Champaign, based on Hecke's notes. Providing many details omitted from Hecke's notes, it includes various new and important developments

