

1. Record Nr.	UNINA9910146295703321
Autore	Proskurin Nikolai <1953->
Titolo	Cubic metaplectic forms and theta functions // Nikolai Proskurin
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [1998] ©1998
ISBN	3-540-69641-5
Edizione	[1st ed. 1998.]
Descrizione fisica	1 online resource (VIII, 200 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1677
Disciplina	512.7
Soggetti	Functions, Theta Discontinuous groups Automorphic forms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (pages [188]-193) and index.
Nota di contenuto	Preliminaries -- Kubota and Bass-Milnor-Serre homomorphisms -- Cubic metaplectic forms and Kubota-Patterson cubic theta function -- On Dirichlet series associated with cubic Gauss sums -- Group $SL(3,C)$ -- Discrete subgroups -- Cubic metaplectic forms on $SL(3,C)/SU(3)$ -- Eisenstein series Fourier coefficients -- Eisenstein series $E(w,s; \Theta)$ and cubic theta function -- Group $Sp(4,C)$ -- Discrete subgroups -- Cubic metaplectic forms on $Sp(4,C)/Sp(4)$ -- Eisenstein series Fourier coefficients -- Eisenstein series $E(w,s; \Theta)$ and cubic theta functions -- References -- Index.
Sommario/riassunto	The book is an introduction to the theory of cubic metaplectic forms on the 3-dimensional hyperbolic space and the author's research on cubic metaplectic forms on special linear and symplectic groups of rank 2. The topics include: Kubota and Bass-Milnor-Serre homomorphisms, cubic metaplectic Eisenstein series, cubic theta functions, Whittaker functions. A special method is developed and applied to find Fourier coefficients of the Eisenstein series and cubic theta functions. The book is intended for readers, with beginning graduate-level background, interested in further research in the theory of metaplectic forms and in possible applications.