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Autore	Proskurin Nikolai <1953->
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Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1677
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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 $SL(3, \mathbb{C})$ -- Discrete subgroups -- Cubic metaplectic forms on $SL(3, \mathbb{C})/SU(3)$ -- Eisenstein series Fourier coefficients -- Eisenstein series $E(w, s; \Theta)$ and cubic theta function -- Group $Sp(4, \mathbb{C})$ -- Discrete subgroups -- Cubic metaplectic forms on $Sp(4, \mathbb{C})/Sp(4)$ -- 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.