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Nota di contenuto	CONTENTS ; Preface ; Tsuneo Arakawa and His Works ; 1 Tsuneo Arakawa (1949 - 2003) ; 2 Arakawa's works on Siegel and Jacobi modular forms ; 3 Arakawa's works on Selberg zeta functions ; 4 Arakawa's works on special values of zeta and L- functions List of Publications of Tsuneo Arakawa Estimate of the Dimensions of Hilbert Modular Forms by Means of Differential Operators ; 1 Definitions and notations ; 2 Estimate of the dimension ; 3 A differential operator of Rankin- Cohen-Ibukiyama type ; 4 Remark ; References Marsden-Weinstein Reduction Orbits and Representations of the Jacobi Group 1 Some General Remarks on the Orbit Method and Marsden-Weinstein Reduction ; 2 Discrete Series Representations of $SL(2, \mathbb{R})$ and the Jacobi Group

; 3 Coadjoint Orbits of $SL(2, \mathbb{R})$ and GJ
 4 Marsden-Weinstein Reduction and Symplectic Volumes
 5 Appendix: Explicit Expressions of Symplectic Forms for Elliptic
 Coadjoint Orbits of GJ
 ; References ; On Eisenstein Series of Degree Two for
 Squarefree Levels and the Genus Version of the Basis Problem I
 ; 1 Introduction
 2 Preliminaries 3 Cusps and Eisenstein series for $so(N)$
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 Unfolding I ; 6 Double cosets for $so(N)$
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 1 Introduction and main results

Sommario/riassunto

This volume contains a valuable collection of articles presented at a conference on Automorphic Forms and Zeta Functions in memory of Tsuneo Arakawa, an eminent researcher in modular forms in several variables and zeta functions. The book begins with a review of his works, followed by 16 articles by experts in the fields including H Aoki, R Berndt, K Hashimoto, S Hayashida, Y Hironaka, H Katsurada, W Kohnen, A Krieg, A Murase, H Narita, T Oda, B Roberts, R Schmidt, R Schulze-Pillot, N Skoruppa, T Sugano, and D Zagier. A variety of topics in the theory of modular forms and zeta functions are covered.