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A Kronecker Limit Formula for ... and forms part of ... already occurring in Kronecker's formula for imaginary quadratic fields. Hecke's ...

### **A Kronecker limit formula for real quadratic fields**

discriminant  $D$ , then according to Hecke, cf. [5], xx3,4 or [13], pp. 232-238, the associated ... quadratic forms of discriminant  $D$  which are in the same genus class, ...

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in the texts of Landau and of Hecke, ... ers completely the basic theory of binary quadratic forms, emphasizing computational and algorithmic aspects, ...

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multiple of the Hecke-Eisenstein series for  $K$ , while all of the other co.,. are cusp forms. The ... Modular Forms Associated to Real Quadratic Fields 5

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The correspondence between binary quadratic forms and quadratic fields ... Hecke and Stein only treat ... Using the correspondence between binary quadratic forms

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### **REPRESENTATIONS BY QUADRATIC FORMS AND THE**

for Hecke characters [11]. ... a of integers less than  $X$  represented by certain shifted binary quadratic forms  $f(x,y)$  a, where the discriminant  $D(f)$

## **ON REPRESENTATION OF INTEGERS BY BINARY QUADRATIC FORMS**

elliptic curve  $E=Q$  if the cuspidal part of its theta function is a Hecke eigenform which lifts, ... Representationa by ternary quadratic forms

## **REPRESENTTIONA BY TERNARY QUADRATIC FORMS**

Hecke Eigenvalues for Real Quadratic Fields Kaoru Okada CONTENTS 1. Introduction 2. The Trace Formula for Totally Real Number Fields 3. Computation for Real Quadratic ...

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For the orthonormal basis of Hecke eigenforms in  $S_{2k}(\Gamma_0(N))$ , one can associate with it a probability measure  $\mu$  ... quadratic forms with discriminant  $D$ . For  $D \neq 0$ , ...

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Anatoli N. Andrianov ... at the Leningrad State University with thesis Investigation of quadratic forms by methods of the theory ... Quadratic forms and Hecke ...

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Call a positive semidefinite integral quadratic form on a lattice additively indecomposable if it cannot be written as the sum of two such nonzero forms.

### **Additively Indecomposable Positive Integral Quadratic Forms**

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Explicit formulas for Hecke Gauss sums in quadratic number fields 215 Theorem Let  $\alpha$  be a nonzero element of  $K = \mathbb{Q}(\sqrt{D})$ , and let  $M$  be the smallest positive

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