

JACOBI FORMS OF SINGULAR WEIGHT WHOSE INDEX IS MAXIMAL

HATICE BOYLAN

ABSTRACT. In joint work with Nils Skoruppa, we study Jacobi forms of singular and critical weight whose index is an integral positive lattice L of arbitrary rank. Such Jacobi forms are rare and are very often meaningful contexts ranging from moduli spaces of algebraic varieties over infinite dimensional Lie algebras to quantum field theory. Yet they can be very explicitly described. In this talk, I report about corresponding recent results, in particular, results concerning the explicit description and classification of these forms.