

DMV-Jahrestagung 2006



Minisymposium 21 - Automorphic forms and their applications

Ghosts and the Riemann theta functions

GEOFFREY MASON (SANTA CRUZ)

We sketch the general connection between vertex operators and automorphic forms and show that genus 2 partition functions associated with the ghost system, which is part of the bosonic string, are the corresponding Riemann theta functions.