



Minisymposium 21 - Automorphic forms and their applications

Special values of automorphic L-functions

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The Saito-Kurokawa conjecture and a certain Hecke invariant subspace, the Maass Spezialschar, play a fundamental role in studying the Siegel three-fold. In this talk a model of the space of Siegel modular forms of the three-fold is introduced, which recovers the special values of corresponding L-functions predicted by the Gross-Prasad conjecture. The vanishing orders of these special values give a precise description of the property if a modular form is a Saito-Kurokawa lift or not. This leads to applications for Siegel modular forms of arbitrary even degree.