



Minisymposium 21 - Automorphic forms and their applications

Siegel modular forms and curves over finite fields

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The cohomology of local systems on moduli spaces of curves and abelian varieties can be expressed in terms of modular forms. Moduli spaces of curves over finite fields can thus be used to obtain information about Siegel modular forms. In the lecture we will try to explain joint work with Carel Faber on Siegel modular forms of genus 2.