Minisymposium 21 - Automorphic forms and their applications

On a twisted convolution of several variables for Siegel modular forms

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In this talk we present a study on a Rankin-Selberg convolution of two variables for Siegel cusp forms of degree two twisted with Dirichlet characters. This is a continuation of previous work done with O. Imamoglu and generalizes a twisted Rankin-Selberg convolution of one variable introduced by W. Kohnen. We also show how to attach a Rankin-Selberg series to Jacobi cusp forms twisted with Dirichlet characters.