

abstract

IAS/PU NUMBER THEORY

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

I describe a new simple way to obtain Rankin-Selberg type spectral identities. These include the classical Rankin-Selberg identity, the Motohashi identity for the fourth moment of the zeta function and many new identities between various L-functions. I discuss an analytic application of some of these identities towards nontrivial bounds for various Fourier coefficients of cusp forms.

(Joint work with J. Bernstein.)