

## **abstract**

ARITHMETIC HOMOGENEOUS SPACES

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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We use the recent developments of Jacquet in order to obtain an explicit expression for a compact unitary period of certain automorphic form on  $GL(n)$  in terms of special values of L-functions. Jacquet obtains a characterization of the image of quadratic base change, in terms of the non-vanishing of unitary periods using a relative trace formula identity.

The starting point for our computation is an identity of Bessel distributions that follows from the relative trace formula. I will discuss the results of Jacquet and how to apply them in order to perform the explicit computations. This is a joint work with E. Lapid.