

1165-11-58

Raphaël Beuzart-Plessis* (raphael.beuzart-plessis@univ-amu.fr), Université d'Aix-Marseille, I2M - CNRS (UMR 7373), Campus de Luminy, 13288 Marseille Cédex 9, France.
On the spectral decomposition of the Jacquet-Rallis trace formula and the Gan-Gross-Prasad conjecture for unitary groups.

In this talk, I will report on joint work with Pierre-Henri Chaudouard and Michal Zydor which completes the proof of the global Gan-Gross-Prasad and Ichino-Ikeda conjectures for unitary groups. Based on previous work of W. Zhang and more recently Y. Liu, W. Zhang, X. Zhu and myself both conjectures have been known in the "stable" case (that is when the base-change of the automorphic representation under consideration is cuspidal). One crucial new ingredient that allows us to treat the remaining cases (the so-called "endoscopic" cases) is the computation of part of the spectral decomposition of the Jacquet-Rallis trace formula. (Received January 12, 2021)