Period relations for Rankin-Selberg convolutions

Speaker: Dongwen Liu
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Venue: Tencent meeting:644 734 417 Password:211104

Abstract: In this talk we explain the proof of the period relations for critical values of Rankin-Selberg L-functions, for the case of $\text{GL}(n) \times \text{GL}(n-1)$. The main novelty is a proof of archimedean period relations, which is based on an explicit comparison between Rankin-Selberg integrals and the integrals over the open orbit of certain spherical variety. It is a recent joint work with Jian-Shu Li and Binyong Sun.