

1157-11-645

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*Rankin-Selberg  $L$ -functions via Good Section.*

In the pioneering work of Jacquet, Piatetski-Shapiro, and Shalika, they defined and computed the local Rankin-Selberg  $L$ -functions for  $GL(n) \times GL(m)$  in terms of  $L$ -functions for inducing datum at finite places. Cogdell and Piatetski-Shapiro revisited Rankin-Selberg  $L$ -functions to develop the method of exceptional poles attached to derivatives due to Bernstein and Zelevinsky. In this talk, we present the modified integrals to incorporate intertwining operator opposed to Fourier transform in the functional equation. In order to define analogous  $L$ -functions, we adopt the notion of “Good Sections” introduced by Piatetski-Shapiro and Rallis. We propose a concept of exceptional poles in the context of good section which can be carried out on the analysis of symmetric square or cubic Asai  $L$ -functions. (Received February 05, 2020)