

1123-11-337

Fan Gao* (fan166@purdue.edu), Department of Mathematics, Purdue University, 150 N. University Street, West Lafayette, IN 47907. *On the Whittaker models for genuine representations of covering groups.*

For a linear algebraic group over local field, the uniqueness of Whittaker models for irreducible representations plays a pivotal role for the representation theory of the group. For instance, the Langlands-Shahidi method of studying L-functions relies crucially on such uniqueness property. However, on the other hand, uniqueness of Whittaker models (for genuine representations) rarely holds for covering groups. In the talk, we will investigate some of the problems related to this, and provide partial answers to several more accessible questions. (Received August 29, 2016)