

GELFAND-GRAEV REPRESENTATIONS FOR COVERS

Speaker: Fan Gao
Zhejiang University

Time: Tue, June 7, 10:00-11:00

Venue: Tencent Meeting: 867493049 Password: 123456

Abstract: In this mainly expository talk, we will first discuss about the background of the Gelfand-Graev representations, and also the situation and the difficulties thereof for central covers of a linear reductive group. The main result obtained could be viewed as a generalization of the earlier work by K-Y Chan and G. Savin for linear groups. We will also explain two applications of the main result, one concerning the Weyl group multiple Dirichlet series, and the other on computing some genuine Whittaker dimensions. This is based on joint work with Nadya Gurevich and Edmund Karasiewicz.