



THE WEIZMANN INSTITUTE OF SCIENCE  
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE  
Algebraic Geometry and Representation Theory Seminar

on Wednesday, Jun 02, 2021  
at 16:30

<https://weizmann.zoom.us/j/98304397425> Venue change: the seminar today will be by  
Zoom only!

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On the local coefficients matrix for covering groups and the restriction problem

Abstract:

The local coefficients matrix is an analog of Shahidi local coefficients defined for covering groups in a setting where uniqueness of Whittaker model fails. After introducing this object we shall discuss in some detail our results for coverings of  $SL(2)$  and  $GL(2)$  and point out a difference between the results for these two groups. Then we shall show how this difference is explained by the nature of the restriction of genuine representations as well as by the subtle relations among certain arithmetic factors. Finally, as time permits, we shall discuss some implications of the restriction mentioned above. This is a joint project with Fan Gao and Freydoon Shahidi.