

Speaker: Mahdi Asgari

Title: Counting Cusp Forms

Abstract: Until a few years ago it was not known that there are infinitely many cusp forms on a group such as $SL(n)$ beyond very small values of n . Weyl's law refers to an asymptotic formula for the number of cusp forms on a given connected reductive group, in particular establishing their infinitude.

I will discuss some work-in-progress, joint with Werner Mueller of Bonn, establishing Weyl's law with remainder terms for classical groups. Without remainder terms, Weyl's law was recently established by Lindenstrauss and Venkatesh in a rather general setting.