

Speaker:
Amina Abdurrahman

Title:
When do symplectic L-functions have square roots?

Abstract:

We give a purely topological formula for the square class of the central value of a symplectic representation on a curve. This is related to the theory of epsilon factors in number theory and Meyer's signature formula in topology among other topics. We will present some of these ideas and sketch aspects of the proof. This is joint work with Akshay Venkatesh.