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

on Wednesday, Jan 05, 2022 at 17:00

The meeting will be in Zoom as well: <https://weizmann.zoom.us/j/98304397425>
Emile OkadaOxford

The wavefront set for representations of p -adic groups

Abstract:

The wavefront set is a powerful invariant which one can attach to representations of reductive groups in both global and local settings with a non-trivial interplay between the two. This talk will start by introducing a natural refinement of the wavefront set in the p -adic setting, and new conjectures relating the local Langlands correspondence to the (refined) wavefront set. I will then announce results obtained with Dan Ciubotaru and Lucas Mason-Brown where we compute the wavefront set and its refinement for all Iwahori-Spherical representations with real infinitesimal character. If time permits I will explore some implications for defining unipotent Arthur packets in the p -adic setting.
Zoom: <https://weizmann.zoom.us/j/98304397425>