



Seminar/Talk

Spherical varieties and L-functions via geometric Langlands

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Host: Tamas Hausel

The relative Langlands program, as developed by Sakellaridis and Venkatesh, conjectures relationships between spherical varieties and automorphic L-functions. In the local setting, this is conjecturally related to the computation of asymptotics, or more precisely nearby cycles, of an IC complex on the formal arc space of a spherical variety. I explain my joint work with Yiannis Sakellaridis where we establish this connection and compute this nearby cycles for a nice class of spherical varieties using perverse sheaves and the geometry of semi-infinite orbits and affine Grassmannians.

Thursday, November 5, 2020 03:30pm - 05:00pm

<https://mathseminars.org/seminar/AGNTISTA>



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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.