



Mathematics and CS Seminar

Equidistribution of exponential sums over algebraic groups

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Host: Tim Browning

I will discuss a joint work with Arthur Forey and Emmanuel Kowalski in which we obtain an equidistribution theorem for discrete Fourier transforms of trace functions of perverse sheaves on a commutative algebraic group over a finite field. The proof relies on a generic vanishing theorem for twists of perverse sheaves, which allows for the construction of a tannakian category with convolution as tensor operation. If time permits, I will also explain how to compute the groups governing the equidistribution in a few interesting examples.

Thursday, January 27, 2022 01:00pm - 02:00pm

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



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<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.