



THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Algebraic Geometry and Representation Theory Seminar

on Wednesday, Dec 16, 2020
at 16:30

[HTTPS://WEIZMANN.ZOOM.US/J/98304397425](https://weizmann.zoom.us/j/98304397425)

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Theta representations and their wavefront sets

Abstract:

For a linear algebraic group, a theta representation is just a character of the group; for a central covering group, it is the Langlands quotient of a certain regular genuine principal series, and is (hypothetically) the lift of a character on a certain linear endoscopic group. In this talk, we will explain a conjectural formula on the leading wavefront set (and thus the Gelfand-Kirillov dimension) of a theta representation. We also discuss about some evidence for its validity, including compatibility with works in the literature. The talk is based on a joint work with Wan-Yu Tsai

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