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

on Wednesday, Jul 15, 2020 at 16:30

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

Wee Teck Gan Singapore

Transfer of characters under the Howe duality correspondence

Abstract:

Let $\mathrm{Sp}(W) \times \mathrm{O}(V)$ be a dual reductive pair. If π is an irreducible representation of $\mathrm{Sp}(W)$ say, then one may consider its theta lift $\theta(\pi)$ on $\mathrm{O}(V)$. In this talk, we discuss how the Harish-Chandra characters of π and $\theta(\pi)$ are related (when the representation of the smaller group is tempered).

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