Lie Groups and Representation Theory Seminar
at the University of Tokyo

リー群論・表現論セミナー

DATE May 30 (Tue), 2023, 17:00–18:00

PLACE Online

SPEAKER **Yoshiki Oshima (大島芳樹)** (The University of Tokyo)

TITLE Discrete branching laws of derived functor modules
導来関手加群の離散分岐則

ABSTRACT We consider the restriction of Zuckerman's derived functor modules for symmetric pairs of real reductive groups assuming that it is discretely decomposable in the sense of Kobayashi. By using a classification result, it can be shown that the restriction decomposes as a direct sum of Zuckerman's derived functor modules for the subgroup. In this talk, we would like to discuss how to obtain explicit branching formulas for some examples.

実簡約 Lie 群の対称対に関する Zuckerman 導来関手加群の制限を考える．小林俊行氏によって導入された離散分解の仮定の下で，制限は部分群に対する Zuckerman 加群の直和に分解することが分類の結果を用いて示される．講演ではこの設定で，明示的な分岐則を得る手法のいくつかを例に沿ってお話ししたい．