

Lie Groups and Representation Theory Seminar at the University of Tokyo

リー群論・表現論セミナー

DATE Nov 9 (Tue), 2021, 17:00–18:00

PLACE Online

SPEAKER **Yoshiki Ohima** (大島芳樹) (Osaka University)

TITLE Plancherel 測度の台と運動量写像の像
On the support of Plancherel measures and the image of moment map

ABSTRACT Benjamin Harris 氏との共同研究をもとに、実簡約 Lie 群が作用する等質空間の Plancherel 測度と、等質空間の余接束の運動量写像の像との関係について述べる。また一般的設定で Lie 群の表現の誘導や制限について関連する問題や予想についてお話ししたい。

We see a relationship between the support of Plancherel measures for homogeneous spaces and the image of moment maps from cotangent bundles based on a joint work with Benjamin Harris. Moreover, we discuss related problems and conjectures about inductions and restrictions for representations of Lie groups in general settings.