Lie Groups and Representation Theory Seminar
at the University of Tokyo

リー群論・表現論セミナー

DATE   June 11 (Wed), 2025, 14:00–15:00

PLACE   Room 056

SPEAKER   **Valentina Casarino** (University of Padua)

TITLE   Variational inequalities in a nonsymmetric Gaussian framework

ABSTRACT   In this talk we introduce variation seminorms and consider the variation operator of a nonsymmetric Ornstein–Uhlenbeck semigroup $(H_t)_{(t>0)}$, taken with respect to t, in $\mathbb{R}^n$. We prove that this seminorm defines an operator of weak type $(1,1)$ for the invariant measure. The talk is based on joint work with Paolo Ciatti (University of Padua) and Peter Sjögren (Chalmers University).