Lecture
at the University of Tokyo

講演会

SPEAKER **Adam Ehlers Nyholm Thomsen** (Aarhus University and the University of Tokyo)

DATE November 6 (Wed), 2013

PLACE Room 128, Graduate School of Mathematical Sciences

TITLE Calculating the global character of the metaplectic representation

ABSTRACT In this talk I will give a brief introduction to Metaplectic representation, also known as Segal–Shale–Weil representation, a unitary representation of the double cover of the symplectic group. This representation is intimately connected to the von-Neumann formulation of quantum mechanics, one way of realizing the representation is as intertwiners of the Schrödinger representation by the uniqueness in the Stone–von-Neumann theorem. The metaplectic representation is a very well studied representation and, among other things, serves as a key example in the study of minimal representations. The focus of this talk will be on calculating the global (or distributional or Harish-Chandra) character of the representation.