The Hong Kong University of Science and Technology

Department of Mathematics

Mathematics Colloquium

Rigidity of actions by higher rank groups

By

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Abstract

According to a research program initiated by Zimmer in the 1970's, lattices in higher rank semisimple Lie groups are expected to be rigid in the sense that their actions are of algebraic nature under appropriate assumptions. In this talk, we will discuss some recent results in this direction, especially a general criterion that uses non-resonance between Lyapunov exponents to establish rigidity. This talk is based on joint works with A. Brown and F. Rodriguez Hertz.

Date:	**Monday, 22 January 2018**
Time:	**3:30 p.m.-4:30 p.m.**
Venue:	**Room 4502, Academic Building, (near Lifts 25&26), HKUST**

All are welcome!