

SCMS Seminar

HAAGERUP PROPERTY, RAPID DECAY AND K THEORY

Speaker: **BenBen Liao**

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Time: 1:30 p.m.-2:00 p.m., Tuesday, June 28, 2016

Venue: Room 2213, East Guanghua Tower (Main), Fudan University

Abstract: Let G be a countable discrete group. Let the complex group ring $\mathbb{C}[G]$ act on the space of ℓ^p functions (for finite p) on G by convolution, and denote by $B^p(G)$ its operator completion. G is said to have Haagerup property if it admits a proper affine isometric action on a Hilbert space. G is said to have the property of rapid decay if its weighted square integrable functions form an algebra. We prove that if G possesses these two properties, the K theory of $B^p(G)$ does not depend on the parameter p .