

IMIA Operator Algebra Seminar
University of Wollongong

Title: KMS states for self-similar actions.

Speaker: Michael Whittaker (University of Wollongong)

Time and Dates: 3:30pm Thursday, 21 and 28 June 2012

Location: Room 8.G25

Abstract: A self-similar action (G, X) consists of a group G along with a self-similar action of the group on a rooted tree. Heuristically, self-similarity is displayed when the action of the group repeats at all levels of the tree, in a similar fashion to fractals where patterns are repeated at all scales. Self-similar actions give rise to Cuntz-Pimsner algebras, discovered by Nekrashevych. We describe KMS states on these algebras. Several examples will be at the forefront of the presentation.

This is joint work with Marcelo Laca, Iain Raeburn, and Jacqui Ramagge.