

Institute for Mathematics and its Applications
2011 Seminar Series: 14
University of Wollongong

Title: Non-integer rectifiability arising from a dimension comparison principle

Speaker: Amos Koeller (Tübingen University, Germany)

Time and Date: 11:30am, Thursday 23 February 2012

Location: Room 15.113 (Access Grid Room)

Abstract: We discuss a comparison principle for the dimensions of sets. We go on to, based on this principle, develop a definition of rectifiability for non-integer dimensions. Importantly, this definition generalises the usual definition of rectifiability and is not dependent on any specific fractal being used as a canonical basic comparison set.