

AN INTRODUCTION TO AF-BY-DISCRETE GROUPOIDS

Speaker: Zheng Kuang
South China University Of Technology

Time: Fri, Apr. 24th, 16:30 - 17:30

Venue: Room 102, SCMS

Abstract:

AF-by-discrete groupoids form a broad class that simultaneously generalizes minimal Cantor systems and several important families of self-similar groups, including groups generated by bounded automata and spinal groups. A particularly interesting subclass, the groupoids of bounded type, gives rise to groups with remarkable properties such as amenability, torsion, and intermediate growth. In this talk, I will give a gentle introduction to AF-by-discrete groupoids, explain the notion of bounded type, and discuss some results on their asymptotic behavior, focusing on amenability and intermediate growth.