

INTRODUCTION TO QUASI-ISOMETRIC RIGIDITY

Mini-course

Speaker: Xiangdong Xie
Bowling Green State University

Time: June 26th, Friday, 10:00 - 12:00;
July 1st, Wednesday, 13:00- 15:00;
July 3rd, Friday, 10:00 - 12:00.

Venue: Room 102, SCMS

Abstract:

Quasi-isometric rigidity is a central topic in Geometric Group Theory and quasi-isometric rigidity theorems have far-reaching consequences. I will introduce and compare various kinds of quasi-isometric rigidity. I will use examples to illustrate the tools and some key steps in the proofs of quasi-isometric rigidity. In the second talk I will concentrate on the use of quasiconformal analysis in quasi-isometric rigidity. In the third talk I will explain the role of asymptotic cones in quasi-isometric rigidity.