

CONDITIONAL MEAN DIMENSION

Speaker: Bingbing Liang

Soochow University

Time: Mon, Mar 20, 16:00-17:00

Venue: Room 1801, East Main Guanghua Tower

Abstract: As an analogue of the conditional topological entropy, the conditional mean dimension can be used to give a general upper bound of mean dimension for an extension system. This estimation is parallel to a classical result due to Hurwicz. We will first review the concept of conditional mean dimension and its properties, and discuss some related problems for the actions by an amenable group; then we will introduce the notion of conditional mean dimension in the setting of actions by a sofic group.