



Department of Mathematics  
The Chinese University of Hong Kong

For Favour of Posting

數學系  
香港中文大學

Phone: (852) 3943 7988 • Fax: (852) 2603 5154 • Email: [dept@math.cuhk.edu.hk](mailto:dept@math.cuhk.edu.hk) (Math. Dept.)  
Room 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

# Seminar

*Lipschitz equivalence of self-similar sets  
with two-state automaton*

**Prof. Hui RAO**  
Central China Normal University

## Abstract

We deal with self-similar sets which are not totally disconnected. In this case, new ideas are needed. First, we look for conditions so that we can make use of symbolic dynamics, the neighbor automaton also plays an important role for this point. Secondly, we use a glueing technique. A rigidity result is obtained for a class of self-similar sets.

Date: 8 June 2017 (Thursday)  
Time: 3:30pm – 4:30pm  
Venue: Room 222, Lady Shaw Building,  
The Chinese University of Hong Kong, Shatin

*All are Welcome*