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# Seminar

## *Simultaneous shrinking target problems for $\times 2$ and $\times 3$*

*Professor Bing Li*  
*South China University of Technology*

### Abstract

We consider the simultaneous shrinking target problems for  $\times 2$  and  $\times 3$ . We obtain the Hausdorff dimensions of the intersection of two well approximable sets and also of the set of points whose orbits approach a given point simultaneously for these two dynamical systems. It is a joint work with Lingmin Liao.

Date: 10 July 2018 (Tuesday)  
Time: 2:30pm – 3:30pm  
Venue: Room 219, Lady Shaw Building,  
The Chinese University of Hong Kong, Shatin

*All are Welcome*