

# Pure Math Seminar

## Projection theorems and applications

**HONG WANG**

University of California, Los Angeles

**ABSTRACT:**

Given a fractal set  $E$  on the plane and a set  $F$  of directions, can we find one direction  $L$  in  $F$  such that the orthogonal projection of  $E$  along  $L$  is large? We will survey some classical and recent projection theorems and discuss their applications.

**TUESDAY, JANUARY 10, 2023**

**10:00 AM – 11:00 AM**

**Building 2, Room 449**

*ZOOM Link...*

**<https://mit.zoom.us/j/94994298254>**