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# Seminar

## *On variations of the Fourier dimension*

*Professor Jörg Schmeling  
Lund University*

### Abstract

In dynamics and fractal geometry harmonic analysis plays an important role. This lead to the definition of the Fourier dimension. However, in the literature there were different definitions that where assumed to be equivalent. In my talk I will show that actually these definitions are different and are not fitting the general concept of dimension theory. I will present a modified notion and will show that it is more regular while preserving all the important properties of the classical definitions.

This talk is based on joint work with Fredrik Ekström.

Date: 10 July 2018 (Tuesday)  
Time: 10:30am – 11:30am  
Venue: Room 219, Lady Shaw Building,  
The Chinese University of Hong Kong, Shatin

*All are Welcome*