

# SCMS Seminar



## TIME RESCALING OF ENTROPY AND LYAPUNOV EXPONENTS IN DYNAMICAL SYSTEMS

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### Lecture

**Time:** 4:10-5:10 pm., Friday, Oct. 27, 2017

**Venue:** Room 2001, East Main Guanghua Tower, Handan Campus

**Abstract:** For systems with zero entropy and/or zero Lyapunov exponents we introduce and study the notion of scaled entropy and scaled Lyapunov exponents which is used to characterize the sub-exponential separation of nearby trajectories. We briefly discuss properties and relations of scaled entropy and scaled Lyapunov exponents, and discuss examples.