



復旦大學
FUDAN UNIVERSITY

Applied Math
Ph.D. Seminar

Stochastically adaptive control of stabilization and synchronization

Speaker: Xiaoxiao Peng (Fudan University)

Time: 2021-12-13, 16:10 to 17:00

Location: Rm 1801, Guanghua East Tower

Advisor: Wei Lin (Fudan University)

Abstract: (This work is completed by Dr.Zhou Shi-jie affiliated to Dr.Lin Wei.) In this work, we design a scenario for stochastic adaptive control. Firstly, we theoretically prove the feasibility on stabilization, synchronization and parameter identification in terms of multi-dimension Brownian motion. And the criterion for specific noise is provided. At last, we verify its feasibility by giving some typical examples of dynamical systems.