



You all are invited to

Fundamentals of Lyapunov Theory

in the SK Seminar Series for Students

Brief Overview



Given a control system, the first and most important question about its various properties is whether it is stable, because an unstable control system is typically useless and potentially dangerous. Qualitatively, a system is described as stable if starting the system somewhere near its desired operating point implies that it will stay around the point ever after. The most useful and general approach for studying the stability of nonlinear control systems is the theory introduced by Lyapunov.

Target Third-year undergraduate students or higher

main objectives



- Start with motivating example
- Present Lyapunov stability theory and illustrate its use in the design of nonlinear control

When



Wed, March 30, 2016



Time

13:00-14:30



Where

Room No W406



Instructor

Dr. Shyam Kamal

ContaCt

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http://palm.ces.kyutech.ac.jp/~kamal/index_edu.html