



The Hong Kong Polytechnic University Department of Applied Mathematics

Colloquium

Piecewise smooth networks

By

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Abstract

We consider a network of piecewise smooth (PWS) differential equations and analyze the stability of a synchronous periodic orbit of the network. To this end, we present the extension of the "Master Stability Function" to PWS networks. Theoretical results are complemented by numerical results. This is joint work with Cinzia Elia (Univ. of Bari, Italy)

Date: 6 December 2022 (Tuesday) Time: 9:00-10:00 (Hong Kong Standard Time GMT +8) Venue: Online Talk via Zoom (Meeting ID: 939 5324 6275) Speaker: Prof. Luca Dieci, Georgia Institute of Technology Host: Dr. Jianbo Cui, The Hong Kong Polytechnic University Click to join:



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