



Seminar

Systems and Control Group - CIDMA

28 de março de 2022, 14h30

Departamento de Matemática, Universidade de Aveiro
Sala 11.2.21

Periodicity on isolated time scales

Jaqueline Godoy Mesquita

Departamento de Matemática, Universidade de Brasília, Brasil
jgmesquita.unb@gmail.com

Abstract

In this talk, we present a definition of periodicity for functions defined on isolated time scales. This definition is consistent with the known formulations in the discrete and quantum calculus settings. Using the definition of periodicity, we discuss the existence and uniqueness of periodic solutions to a family of linear dynamic equations on isolated time scales. This is a joint work with Martin Bohner and Sabrina Streipert.

This seminar was supported in part by the Portuguese Foundation for Science and Technology (FCT – Fundação para a Ciência e a Tecnologia), through CIDMA - Center for Research and Development in Mathematics and Applications, within project UIDB/04106/2020.