



Universidade Federal de Santa Catarina
Centro de Ciências Físicas e Matemáticas
Pós-Graduação em Matemática



Seminars on Differential Equations (2018.1)

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IMPULSIVE DYNAMICAL SYSTEMS: A BABY COURSE

Abstract

In this talk I will present the basic concepts of the *impulsive dynamical systems*. Such objects appear when we allow a continuous dynamical system (i.e., a semigroup) to have instantaneous abrupt changes (or, as we call, impulses). The technical conditions for the existence of such systems are quite simple to describe, but hard to apply for general semigroups. I will cover the basic definitions and present a few simple results.

Florianópolis. March 22th, 2018. 14:00 - 15:00

Room 202 - Maths Department

Check out our website: <http://mtm.ufsc.br/~bortolan/seminario/index1.html>