



DEPARTAMENTO
DE ANÁLISIS
MATEMÁTICO Y
MATEMÁTICA
APLICADA



SEMINARIO DE ANÁLISIS MATEMÁTICO Y MATEMÁTICA APLICADA

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Attractors for impulsive dynamical systems

Abstract

The theory of impulsive dynamical systems describes systems on which a continuous evolution process is interrupted by sudden changes in their state.

In this talk the theory of impulsive evolution processes is developed and the concept of pullback attractor is studied. Furthermore, some results on the existence and the continuity of this attractor will be shown, as well as an extension to the multivalued situation. Finally, some relation between attractors for these dynamical systems and attractors of the related continuous and discrete parts will also be considered.

**Organizado por el Departamento de Análisis Matemático y Matemática Aplicada
y el Instituto de Matemática Interdisciplinar (IMI)**

Fecha: Jueves 6 de octubre de 2022
a las 13:00 horas
Lugar: Aula Alberto Dou
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