

ANÁLISIS MATEMÁTICO Y MATEMÁTICA APLICADA





SEMINARIO DE ANÁLISIS MATEMÁTICO Y MATEMÁTICA APLICADA

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How to dive into complexity and not die trying?

What would be a potential relationship between soccer, an ant colony, disease spreading, and the human brain? This seminar is a short intro for those interested to know a bit more about the nonlinear interactions field. We will get deeper into an interdisciplinary adventure from nonlinear dynamics, graph theory, and information theory, and we will involve ideas from statistical mechanics, biology, sociology, and economy, among others.

The aim is to get close to a collection of theories concerning the study of complex systems (natural and man-made), allowing one to quantify the spatio-temporal patterns emerging from interactions among its elements. We will see some examples in diverse branches of knowledge that framed into the scientific rigor, --offered by applied maths, physics, and computer science--, opening the door to the wellknown Complexity Science.

Organizado por el Departamento de Análisis Matemático y Matemática Aplicada y el Instituto de Matemática Interdisciplinar

Fecha: Jueves 27 de octubre de 2022 Hora: 13:00 h. Lugar: Sala 209 (Alberto Dou) Facultad de CC. Matemáticas-UCM