



Seminario Rubio de Francia

Conferencia

por

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Título:

Unidirectional flocks in Collective Dynamics.

Resumen:

In this talk we will focus on the so-called Cucker-Smale model, which encodes one of the simplest communication protocols that lead to emergence of two fundamental phenomena of collective action: alignment and flocking. Such systems arise in a variety of applications including biological, social and technological contexts. Kinetic and hydrodynamic models will be presented and the problems of global well-posedness, long time behavior, and stability of flocks on the macroscopic level will be addressed. Finally, we discuss unidirectional flocks, which have been recently introduced and used to obtain some results in higher dimensions.

Fecha: Jueves, 1 de Junio de 2023.

Hora: 12:00 horas.

Lugar: Seminario Rubio de Francia. Primera planta, Edificio B, Facultad de Ciencias.

Web: <http://anamat.unizar.es/seminario.html>