





Barcelona Analysis Seminar

2023 - 2024

Date: Thursday April 25, 2024

Time: 15:00 CET

Room: CRM A1 (Universitat Autònoma de Barcelona)

Desingularization of leapfrogging motion and time periodic vortices in bounded domains

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In this talk I will discuss some aspects of the vortex motion for Euler equations in the planar case. In the first part, I will review some results on the desingularization of time periodic point vortices in the rigid and non rigid cases. We will in particular focus on the rigorous derivation of a leapfrogging motion with four vortices. In the second part, I will analyze how to use KAM techniques to desingularize time periodic orbits in general domains.

More information at: https://mat.uab.cat/web/seminarianalisi/