



Seminari Informal
de Matemàtiques de Barcelona



UNIVERSITAT DE
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B:KC Barcelona
Knowledge
Campus

Seminari Informal de Matemàtiques de Barcelona

Speaker: Joaquim Brugués.
University: Universitat Politècnica de Catalunya.

Date: Wednesday, 12th of February.
Schedule: 12:00, *coffee break (be eco friendly, bring your cup)*; 12:20, talk.
Place: B1 classroom, *Facultat de Matemàtiques i Informàtica* of UB.
Language: English.

Title: An introduction to Floer theory

Abstract: The development of Floer theory is a history of collaboration and intersection of ideas that starts with a conjecture by Arnold in 1966 on a Morse-like lower bound on the number of fixed points of a symplectomorphism. The efforts to prove this conjecture (now a theorem) motivated the development of tools that are still essential in symplectic topology investigation. In this talk we aim to present the conjecture and summarize the history, ending with the definition of Floer homology.

About us: The SIMBa is a young seminar organized by students of the Faculties of Mathematics and Computer Science of Barcelona. It is aimed at doctoral, master's degree students and, also, for those who are in the last grade courses. Our goal is that each one can make known the research which they are doing, as well as, to get new knowledge of other areas of mathematics than his own..

For more information, visit at www.ub.edu/simba/en/.

If you have any doubt or comment, do not hesitate to contact us by sending an email to seminari.simba@ub.edu.