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CENTRO DE I&D EM MATEMÁTICA E APLICAÇÕES
CENTER FOR R&D IN MATHEMATICS AND
APPLICATIONS

Gravitational Geometry and Dynamics (GGD) Group Seminar

K-dynamics: Dynamics of screening in the strong-field regime

Miguel Bezares (SISSA - Trieste)

K-essence is a cosmologically relevant scalar-tensor theory that involves first-order derivative self-interactions, which pass all existing gravitational wave bounds and provides a screening mechanism. In this talk, I will present our results about the effect of this screening mechanism in non-linear stellar oscillations and gravitational collapse by using numerical relativity simulations. Towards the end of the talk, I will discuss how one can study this kinetic screening in binary neutron stars.

Wednesday, January 26th 2022, 14H30 || online

Zoom Meeting ID: 852 8915 0495 || <https://videoconf-colibri.zoom.us/j/85289150495>

Please contact: pvcunha@ua.pt or herdeiro@ua.pt to ask for the Zoom password

More information about the GGD group and seminars in gravitation.web.ua.pt

The GGD seminars are supported in part by the Portuguese Foundation for Science and Technology (FCT - Fundação para a Ciência e a Tecnologia), through CIDMA - Center for Research and Development in Mathematics and Applications, within project UIDB/04106/2020 and UIDP/04106/2020

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