

Departamento de Matemática Aplicada



CONFERENCIA MARTES 4 DE JULIO DE 2023 A LAS 11:30

**Chemical reaction dynamics and transport processes
on a four well Potential Energy Surface.**

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In this talk, we will explore the phase space structures governing isomerization dynamics on a potential energy surface with four wells and an index-2 saddle. For this model, we analyze the influence that coupling both degrees of freedom of the system and breaking the symmetry of the problem have on the geometrical template of phase space structures that characterizes reaction, using the method of Lagrangian Descriptors.

Lugar: Aula Luis Rodríguez Marín del Departamento de Matemática Aplicada de la UNED (Aula 2.32). E.T.S.I. Industriales.