

DYNAMICAL SYSTEMS:

The CP problem: what, how and why

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We consider the problem of the hydrogen atom interacting with a circularly polarized microwave field (also called CP problem). In the context of classical mechanics, we will describe several interesting phenomena concerning the motion of the electron. Usual techniques of Dynamical Systems Theory are applied and the methodology and results discussed.

This is a joint work with E. Barrabés, F. Borondo, A. Delshams, D. Farrelly, J. M. Mondelo, J. R. Pacha and O. Rodríguez