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SEMINARIO DE GEOMETRÍA ALGEBRAICA

Lunes, 13 de noviembre de 2017, **12:00**, Seminario 238

Patricio Almirón Cuadros

Universitat Politècnica de Catalunya

Impartirá la conferencia

Local invariants of analytic planar morphisms

Resumen.

This talk focuses in the study of local geometry of analytic planar morphisms. First, I will introduce some basic concepts that will be needed to present the main part of the work. Secondly, I will introduce the main analytic invariants related to an analytic morphism that have been studied in the present work: the trunk and tangent map; defined by Casas-Alvero on "Local geometry of planar analytic morphisms" in 2007. I will present a new interpretation of the tangent map of an analytic morphism. To finish I will reinterpret a classical problem about polar curves; this leads to us to introduce an open question about the description of the jacobian germ together with an approach to a solution of a particular case of this problem.