
Seminário/Talk

13 de janeiro 2020 | 14h30min

Sala de Reuniões do Departamento de Matemática

Families of cycles in the Euclidean plane and their envelopes

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Resumo/Abstract:

In Laguerre geometry, under the isotropy projection, a spacelike curve in the Lorentz-Minkowski 3-space describes a smooth one-parameter family of cycles in the Euclidean plane with exactly two envelopes. In this talk, we will discuss the causal character of its normal acceleration vector in terms of the geometry of the associated envelopes. Several examples will be presented.

This is joint work with Rui Pacheco.