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SEMINÁRIO DE GEOMETRIA

Dia 19 de Janeiro (sexta-feira), às 13h30, sala 6.2.33

Moduli for Legendrian Curves

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Abstract: We construct moduli spaces for Legendrian curve singularities with a prescribed topological type. We focus on the case of Legendrian curves which are conormals of a plane curve \mathbb{f} with one Puiseux pair. This construction relies on the microlocal contact analogue of the Kodaira-Spencer map for plane curve singularities. Its Kernel is a Lie Algebra \mathbb{L} acting over the base space \mathbb{T} of a semiuniversal equisingular deformation of the conormal of \mathbb{f} . This action is such that \mathbb{T}/\mathbb{L} is a classifying space for all singularities with the topological type of the conormal of \mathbb{f} .

Seminário financiado por Fundos Nacionais através da FCT – Fundação para a Ciência e a Tecnologia no âmbito do projeto UID/MAT/04561/2013