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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  $\mathbb{f}$ .

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