

GEOMETRY AND PHYSICS SEMINAR

Dia 11 Dezembro (quarta-feira), às 11h00, sala 6.2.33

Deformation theory of symplectic and orthogonal sheaves

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Abstract: While it is well known that the moduli space of G -bundles over a smooth projective curve is compact, it is not the case for an arbitrary base variety. This motivated the definition of G -sheaves by Gomez and Sols who proved that their moduli space is a compactification of the moduli space of G -bundles.

In this talk I will study the deformation and obstruction theory of these objects when G is either the symplectic or the orthogonal group.

This is joint work with T. Gomez.

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