



Centro de **Matemática**
Universidade do Porto

Geometry and Topology seminar

Date. October 16th, 15h30

Place. Room 0.04

Speaker. Azizeh Nozad (CMUP, Porto)

Title. Birationality of moduli spaces of twisted $U(p, q)$ -Higgs bundles.

Abstract. A twisted $U(p, q)$ -Higgs bundle consists of a pair of holomorphic vector bundles on a Riemann surface, together with a pair of twisted maps between them. The stability condition for twisted $U(p, q)$ -Higgs bundles depends on a real parameter. We study the variation with the parameter of moduli space of twisted $U(p, q)$ -Higgs bundles with a view to obtaining birationality results.