

Seminari de Geometria Algebraica 2015/2016 (UB-UPC)

Divendres 9 d'octubre a les 15 hs, aula B1 FM-UB

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Quantization of spectral curves and DQ-modules

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In this talk, I will explain how the quantization of spectral curves associated to Higgs bundles can be studied from the standpoint of DQ-modules. In particular, we will prove that given an holomorphic Higgs bundle on a compact Riemann surface of genus greater than one, there exists an holonomic DQ-module supported by the spectral curve associated to this bundle.

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