Conference Talk.

On cyclic Higgs bundles

Qiongling Li (QGM-Aarhus University and Caltech)

Abstract: The non-abelian Hodge theory gives a correspondence between the moduli space of representations of the fundamental group of a surface into a Lie group G with the moduli space of G-Higgs bundles over the Riemann surface. The correspondence is through looking for an equivariant harmonic map to the symmetric space associated to G, to a given representation or a given Higgs bundle. We discover some geometric properties of such harmonic maps associated to cyclic Higgs bundles.

The talk is part of the 2-day meeting "Current trends on spectral data for Higgs bundles III"

Monday, November 13 at 11:00 AM in SEO 636