# ICMAT

INSTITUTO DE CIENCIAS MATEMÁTICAS

# GEOMETRY

## seminar

# THE NAHM FLOW

**PLACE:** Aula Naranja, ICMAT, Campus de Cantoblanco

**DATE:** Wednesday, 25th January - 15:00

**SPEAKER:** Nigel Hitchin (Universidad de Oxford)

**ORGANIZER:** ICMAT

**ABSTRACT:** Generalized holomorphic bundles on $P^1$ are co-Higgs bundles and the moduli space has many features which are similar to the moduli space of Higgs bundles on a higher genus curve. One new aspect however is the B-field action which generates a flow which we call the Nahm flow since in a generic situation it corresponds to Nahm's equations. The talk will discuss fixed points of this flow and singularities of spectral curves.

GOBIERNO DE ESPAÑA — MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

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