CENTRO DE
MATEMÁTICA
UNIVERSIDADE DO PORTO

GEOMETRY AND TOPOLOGY SEMINAR

On the Hitchin connection

Christian Pauly

Laboratoire de Mathématiques J.A. Dieudonné, Université de Nice Sophia-Antipolis

Abstract. During the first half of the talk I will give a survey about the Hitchin connection on the sheaf of non-abelian theta functions and its analogues in the theory of Conformal Blocks and TQFT. During the second part I will sketch the construction of the Hitchin connection (starting from the heat equation for abelian theta functions) from an algebro-geometric perspective. This is joint work with T. Baier, M. Bolognesi and J. Martens.

FRIDAY, SEPTEMBER 13   15H30   ROOM 1.09

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