



CENTRO DE
MATEMÁTICA
UNIVERSIDADE DO PORTO

GEOMETRY AND TOPOLOGY SEMINAR

Dirac-Higgs functors.

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Abstract. After reviewing the formalism of Simpson's shapes for the non-abelian Hodge theory associated to a smooth projective curve X , we will describe the construction of a certain class of functors between the derived categories of the Dolbeault, De Rahm and Betti shapes of X into the derived categories of the corresponding moduli stacks. We shall describe as well some of their main properties, in particular their interaction with the so-called Wilson operators. This is a report on the thesis of Robert Hanson.

FRIDAY, JUNE 9

15H30

Room: FC1.0.31