



Prof. Dr. A. Wienhard

Heidelberg, den 26.04.17

RTG Kolloquium

" On the topology the representation variety of a punctured surface group in $PSL(2,R)$ "

Prof. Dr. Gabriele Mondello, Università di Roma, Italien

Abstract: Goldman classified the connected components of the representation variety of a closed surface group in $PSL(2,R)$ and Hitchin described the topology of the components with nonzero Euler number.

In this talk I will describe how to perform a similar analysis for surfaces with punctures, thus detecting the topology of the representation variety in $PSL(2,R)$ with assigned peripheral monodromy and nonzero Euler number.

We follow Hitchin's strategy and we exploit Simpson's correspondence between representations of punctured surface groups and parabolic Higgs bundles

Dienstag, den 09. Mai 2017 um **13:30 Uhr**, Konferenzraum 5.104, 5.OG, INF 205,