

Ruprecht-Karls-Universität Heidelberg
Mathematisches Institut
Prof. Dr. Anna Wienhard
Prof. Dr. Peter Albers



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

Mathematisches Institut
Mathematikon
Im Neuenheimer Feld 205
69120 Heidelberg
Tel: 06221 / 54-14206
wienhard@mathi.uni-heidelberg.de

RTG Kolloquium

"Parabolic Higgs bundles and gravitational instantons"

Prof. Hartmut Weiß

Christian-Albrechts-Universität zu Kiel

Abstract: I will report on recent joint work with Laura Fredrickson, Rafe Mazzeo and Jan Swoboda, in which we study the asymptotics of the Hitchin metric on moduli spaces of parabolic Higgs bundles. These give rise to real 4-dimensional and complete hyperkähler metrics when considered e.g. on the 4-punctured sphere. We will discuss the question (raised by Hitchin and others) if the 4-punctured sphere moduli space is an ALG gravitational instanton.

Dienstag, den 26. November 2019 um 13.30 Uhr, Konferenzraum
5.104, 5.OG, INF 205