



SFB-Seminar

ZEIT:

13.1.2009, 16:00 Uhr - 19:00 Uhr

ORT:

Konrad-Zuse-Zentrum für Informationstechnik Berlin
Takustrasse 7
14195 Berlin-Dahlem

PROGRAMM:

16:00 - 17:00 **Jan Christophersen (Oslo, currently Mainz)**

Equivelar triangulations of tori and abelian surfaces

Triangulations of topological manifolds may be used to construct spaces in algebraic geometry via Stanley-Reisner schemes. In this talk I

will start with degree regular triangulations of the torus. Deforming these surface leads to interesting combinatorics, including a special 6 dimensional reflexive polytope and a Calabi-Yau 3-fold with Euler number 6.

17:00 - 17:30 Kaffeepause

17:30 - 18:30 **Jochen Heinloth (Amsterdam)**

Twisted loop groups and related moduli spaces

Loop groups have been very useful in the study of moduli spaces of bundles over Riemann surfaces. We want to explain that a similar relation exists for twisted loop groups. This came up in a series of conjectures by Rapoport and Pappas. Their motivation to study twisted loop groups came from arithmetic questions.

Kontakt:

Humboldt-Universität zu Berlin . Institut für Mathematik
SFB 647 . Unter den Linden 6 . 10099 Berlin
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727
sfb647@math.hu-berlin.de

www.raumzeitmaterie.de