



Dr. Christoph Wockel

Higher Symmetries and their classification

TIME:

1 Feb 2012, 13:15 - 14:15

LOCATION:

Institut für Mathematik
Universität Potsdam
Campus am Neuen Palais
Haus 8, Raum 0.53
Am Neuen Palais 10
14469 Potsdam

We will describe how Lie 2-groups and the associated notion of principal 2-bundles can be used to realise degree three cohomology classes geometrically. One important example will be the canonical 3-class on a compact simple Lie group. The geometric representative has a Lie 2-group structure itself, which is known as the Sting 2-group.

Contact:

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