

## **Dr. Martin Weilandt**

### **Isospektrale Quotienten von Stiefel-Mannigfaltigkeiten**

**ZEIT:**

23.1.2013, 16:30 Uhr - 17:30 Uhr

**ORT:**

HU Berlin, Institut für Mathematik  
Rudower Chaussee 25, Raum I.410

A quotient of a compact manifold by a compact group of isometries can be interpreted as an Alexandrov space with associated Laplacian. We use the so-called torus method to construct various isospectral quotients of Stiefel manifolds and present a non-isometry proof for a special case. This is joint work with Alexander Engel.

**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