



Prof. Dr. Peter Teichner **K-theory and super symmetric field theories**

ZEIT:

3.2.2013, 13:15 Uhr - 14:15 Uhr

ORT:

Institut für Mathematik, Universität Potsdam
Campus am Neuen Palais
Haus 19, Raum 1.19
Am Neuen Palais 10
14469 Potsdam

We'll explain how a super symmetric version of an Atiyah-Segal type field theory leads to K-theory. The index theorem then translates into the fact that 'path integral quantization' gives a push-forward in K-theory. This is a report on joint work with Stephan Stolz.

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