



1 1
1 0 2
1 0 0 4

Leibniz
Universität
Hannover

Oberseminar Analysis und Theoretische Physik

Prof. Dr. Victor Nistor

Pennsylvania State University / z.Zt. Université de Lorraine

Analysis on Lie Manifolds

I will discuss the geometry of a class of non-compact manifolds modeled by Lie algebras of vector fields that is well suited to study various analytical questions on singular spaces. I will present two applications: one to the determination of the essential spectra of Laplace and Dirac operators on manifolds with poly-cylindrical ends and one to the wellposedness of the Dirichlet problem for the Laplacian on polyhedral domains. I will also hint to some applications to the Finite Element Method.

**Dienstag, 21.10.2014, 15:15h, Raum g005
Hauptgebäude der Leibniz Universität**

Dazu laden herzlich ein:
Prof. Dr. Joachim Escher
Prof. Dr. Olaf Lechtenfeld
Prof. Dr. Elmar Schrohe
Prof. Dr. Christoph Walker

Weitere Informationen finden Sie auch unter
http://www.ifam.uni-hannover.de/~escher/de/os_anal.php