SFB-Seminar

ZEIT:
22.6.2010, 17:30 Uhr - 19:00 Uhr

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

PROGRAMM:

17:30 - 18:30 **Prof. Dr. Markus Pflaum**

Formal deformation quantization of singular symplectically reduced space

We discuss the so-called BFV method to construct formal deformation quantizations of symplectic quotients of Hamiltonian systems. We explain that under certain conditions among which is the requirement that the Koszul complex of the moment map of the Hamiltonian system is acyclic the BFV method allows to construct deformation quantizations in the presence of singularities. We then discuss examples coming from special
cases of linear Hamiltonian torus actions.

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