



## SFB-Seminar

### **ZEIT:**

21.6.2010, 16:30 Uhr - 18:00 Uhr

### **ORT:**

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

### **PROGRAMM:**

16:30 - 17:30 **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.

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