



## Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

**Dienstag, 14. April 2015**

17 Uhr s.t., Geom H4

Prof. Dr. Dieter Kotschick  
(LMU München)

### ***Characteristic numbers of algebraic varieties and Kähler manifolds***

Abstract:

I will discuss tools for the systematic investigation of the Hodge and Chern numbers of compact Kähler manifolds. These tools allow one to determine all the universal relations between Hodge and Chern numbers, or to find out which ones are topological or bimeromorphic invariants, or to study the (non-)existence of holomorphic one-forms without zeroes.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.