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*Fachbereich C, Mathematik
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Im Rahmen der

AG Komplexe Analysis

laden wir zu folgendem Vortrag ein:

**Constructive Čech cohomology, differential algebra and
Kobayashi hyperbolicity conjecture.**

**(Prof. Joël Merker, Laboratoire de Mathématiques d'Orsay,
Frankreich)**

am Montag, den 28.01.2013, um 16 Uhr c.t. in Raum D.13.15.

Abstract: Holomorphic Morse inequalities and asymptotically positive curvature estimates based on heat kernel studies were devised to skirt the high algebraic complexity of cohomology groups of various vector bundles on smooth projective complex algebraic hypersurfaces, e.g. bundles of jet differentials that are central towards establishing Kobayashi-hyperbolicity of Zariski-generic hypersurfaces having (very) high degree. A systematic endeavour of building a synthetic computational arsenal will be presented, which, yet, is quite far from being close to be achieved.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina