



WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER

FACHBEREICH 10
MATHEMATIK UND INFORMATIK
Prof. Dr. Dr. h.c. Joachim Cuntz
Dekan

12.06.2008

Einladung

Am Montag, dem 23. Juni 2008, Hörsaal M 5,

spricht

Prof. Dr. Sebastiaan Terwijn, TU Wien

16.00 Uhr Lehrvortrag: Der Satz von König

16.40 Uhr Forschungsvortrag: Computable functionals and sets of reals

Abstract:

Turing reducibility is a central notion from computability theory measuring the relative computability of reals: A real A reduces to a real B if there is a computable functional mapping B to A . We can also use computable functionals to reduce sets of reals to each other. This gives rise to two structures generalizing the Turing degrees: The Medvedev and the Muchnik lattices. In this talk we will discuss some structural properties of these lattices, as well as their relation to other topics such as Π_1^0 classes, constructive logic, and algorithmic randomness.

Auf diese Vorträge wird besonders hingewiesen

Joachim Cuntz, Dekan