



SIXTH EU FRAMEWORK PROGRAMME TRANSFER OF KNOWLEDGE TODEQ
OPERATOR THEORY METHODS FOR DIFFERENTIAL EQUATIONS

Warsaw, 26 February – 9 March 2007

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Algebraic actions of higher rank abelian groups and introduction to rigidity

a minicourse (12 hours)

Description:

The first goal of this course is to describe the objects of extensive recent and on-going research in rigidity theory for group actions, including necessary background from Lie theory and algebraic number theory. After that we prove model results in differentiable rigidity and measure rigidity which illustrate some of the methods used in this area. Along the way we will introduce necessary background from ergodic theory and hyperbolic dynamics.

The course will be accessible to students with a solid background in real analysis, advanced linear algebra and basic geometry/topology, including elementary properties of differentiable manifolds. Basic acquaintance with ergodic theory will be helpful but not strictly necessary. No previous knowledge of Lie groups, algebraic number theory or hyperbolic dynamics is required.

The course is intended mainly for Phd/MSc students. There is no registration fee. We offer free lodging at the Banach Center for a limited number of participants and arrange a cheap accomodation for others.

More details and application form available at <http://www.impan.gov.pl/~feliksp>

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