Graduiertenkolleg

Experimentelle und konstruktive Algebra

RWTH AACHEN UNIVERSITY

Experimental and constructive algebra

Kolloquiumsvortrag

Dienstag, 20. November 2012, 15:45 Uhr, Hörsaal III

FERDINAND VERHULST (Universiteit Utrecht, Niederlande)**:**
Henri Poincaré, a dynamical life

We will give a short description of POINCARÉ's life and a summary of his scientific achievements. From this vast amount of material, we will give special attention to some aspects of automorphic functions and the discussions with FUCHS and KLEIN. POINCARÉ developed single-handedly the foundations of dynamical systems. We will describe his thesis on first-order PDEs and his remarkable Memoire that reshaped the study of ODEs. Very interesting is his Prize Essay for Oscar II that contains many novel ideas; this is followed by the more mature Methodes Nouvelles de la Mecanique Celeste, three books that have celestial mechanics problems as examples but that basically is concerned with a systematic development of conservative and dissipative dynamical systems.

Wir laden alle Interessierten herzlich ein.

Ab 15:00 Uhr gibt es Kaffee und Tee in der Bibliothek des Lehrstuhl D für Mathematik.