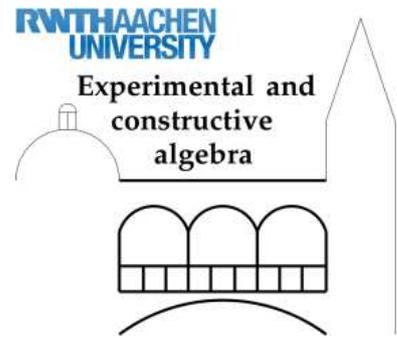


Graduiertenkolleg

Experimentelle und konstruktive Algebra



Vortrag

Montag, 15. September 2014, 14:00 Uhr, Seminarraum Lehrstuhl D für Mathematik (Raum 103, Pontdriesch 14/16)

MARTIN SCHEICHER (UNIVERSITÀ DI PADOVA, PADUA, ITALIEN):
Multidimensional Observers in the Behavioural Framework

A system or behaviour is a mathematical model of a real-life process (e.g., an engine) which is, for example, described by a system of partial differential or difference equations. Often, it is critical to know the values of internal components of a given system, but it is impossible to measure them directly. An observer is a second system which is coupled to the given one, measures what can be measured and produces an estimate of the desired values. For multidimensional linear systems with constant coefficients, I will characterise the observers in a way that is computationally accessible. Furthermore, a method to construct and parametrise all observers of a given system will be presented.

Wir laden alle Interessierten herzlich ein.