

MATHEMATIKKOLLOQUIUM

Der **Frankreich-Schwerpunkt der Universität Innsbruck** und
das Institut für Mathematik laden zu folgendem Vortrag ein:

Henri Bourlès

LAAM, Conservatoire National des Arts et Métiers, Paris

Finite Poles and Zeros of Linear Systems

The finite poles and zeros of a linear system characterize the behavior of such a system and the possibility or the difficulty of controlling it. These notions, which remain simple in the case of single-input-single-output (SISO) systems, become much more complicated in the case of multi-input-multi-output (MIMO) ones. The presentation proposed in this talk is intrinsic, i.e., independent of a particular type of representation of the system (it is not assumed to be in state-space form, for example) and based on the algebraic module theory. This makes it possible to give definitions which are more precise than in classical approaches (based on matrix calculations) and have a clearer and more intuitive interpretation (this is especially the case of input-output decoupling zeros).

Zeit: Mittwoch, den 25. April 2007 um 14¹⁵ Uhr

Ort: Viktor-Franz-Hess-Haus, Technikerstrasse 25, HS F

Ulrich Oberst

Gäste sind herzlich willkommen!