MATHEMATIKKOLLOQUIUM

Das Institut für Mathematik lädt zu folgendem Vortrag ein:

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z.Zt.: Universität Groningen (NL)

Behaviours in spaces that are not injective cogenerators

A satisfactory and effective theory of control of distributed systems has been developed from the "behavioural" point of view. A result of U. Oberst describes a categorical duality between differential kernels (i.e. behaviours) in injective cogenerators (such as the space $\mathcal{D}'$ of distributions or $\mathcal{C}^\infty$ of smooth functions) and finitely generated modules over the polynomial ring, and on this foundational result much of the theory rests. In this talk I explain the problems that arise when behaviours are considered in spaces that are not injective cogenerators such as the space $\mathcal{D}$ of compactly supported functions.

Zeit: **Dienstag, den 19. Juni 2007 um 16:30 Uhr (Achtung: geänderte Beginnzeit)**

Ort: **Viktor-Franz-Hess-Haus, Technikerstrasse 25, HS D**

Ulrich Oberst

Gäste sind herzlich willkommen!