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Datum: 11. Juni 2010

Im

Oberseminar Partielle Differentialgleichungen

wird am

Donnerstag, dem 24. Juni 2010,

folgender Vortrag gehalten:

Prof. Dr. Aissa Guesmia (Universität Metz):

„On the stabilization for Timoshenko systems with memory and different speeds of wave propagation"

Zeit: **15.30 (!) Uhr**

Raum: **F 425 (!)**

Interessenten sind herzlich willkommen!

R. Denk,   H. Freistühler,   O. Schnürer

Abstract: In this work we consider a one-dimensional Timoshenko system with different speeds of wave propagation and with only one control given by a viscoelastic term on the angular rotation equation. For a wide class of relaxation functions and for sufficiently regular initial data, we establish a general decay result for the energy of solution. Unlike the past history and internal feedback cases, the second energy is not necessarily decreasing. To overcome this difficulty, a precise estimate of the second energy, in terms of the initial data and the relaxation function, is proved. (Joint work with S. Messaoudi, Dhahran, Saudi Arabia.)