



Im

Oberseminar Partielle Differentialgleichungen

gibt es am

Donnerstag, dem 15. Februar 2018,

einen Vortrag von Herrrn

Prof. Dr. Marcio A. Jorge da Silva

(State University of Londrina, Brazil)

“Viscoelastic and thermoelastic effects in beams of Timoshenko type”

Beginn: **15.30 Uhr**

Raum: **F426**

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

Abstract: In this talk we discuss the mathematical modeling and stability of beams of Timoshenko type under viscoelastic and thermoelastic effects. We first deal with a viscoelastic model whose dissipation acts on the shear force by using linear constitutive laws in viscoelasticity. Then, we are going to discuss a thermo-viscoelastic model where a thermal law is applied for the shear force whereas a viscoelastic law is considered on the bending moment. Some initial stability results are presented.

(invited by Prof. Dr. Reinhard Racke)