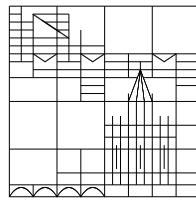


Universität Konstanz

Fachbereich
Mathematik und Statistik



Prof. Dr. Robert Denk
Prof. Dr. Heinrich Freistühler
Prof. Dr. Reinhard Racke

Im

Oberseminar Partielle Differentialgleichungen

gibt es am

Donnerstag, dem 03. Juli 2014,

einen Vortrag von

Prof. Dr. Shuji Yoshikawa

(Ehime University Matsuyama)

“Structure-preserving finite difference scheme for thermoelastic systems and its applications”

Beginn: **15:15 Uhr**

Raum: **F 426**

Interessenten sind herzlich willkommen!

R. Denk, H. Freistühler, R. Racke

Abstract: I introduce numerical schemes for general nonlinear thermoelastic system by the finite difference method. Our schemes inherit the physical structures such as energy conservation law and increasing law of entropy. In addition I give the application to the semilinear thermoelastic system called the Falk model which describes the phase transition on shape memory alloys.

(invited by Prof. Dr. Reinhard Racke)