

EINLADUNG ZUM MATHEMATISCHEN KOLLOQUIUM

Es spricht

Frau Prof. Dr. Gemayqzel Bouza Allende
(University of Havana)

zum Thema:

„The Use of Scalarizations in Steepest Descent-like Methods for Variable Order Vector Optimization Problems“

Abstract :

In some applications, the comparison between two elements may depend on the point. This leads to the so called variable order structure.

Optimality concepts have been extended to this more general framework.

In this talk, the solutions of smooth vector optimization problems under a variable ordering structure will be characterized by means of real valued functions called scalarizations. These scalarizations are used to define descent and steepest descent directions, making possible the extension of the steepest descent method to variable order optimization problems. The convergence of variants of the algorithm is discussed.

**Donnerstag, 18. Juni 2015, 17:00 Uhr, Raum C 113 im Curiebau
(Kaffee 16:30 Uhr im Raum C 325)**

Alle Interessenten sind herzlich eingeladen.

Ilmenau, 21. Mai 2015

Die Hochschullehrer des Institutes