



Institut für Grundlagen der Bauingenieurwissenschaften
Arbeitsbereich Technische Mathematik

GASTVORTRAG

Der Arbeitsbereich für Technische Mathematik lädt zu folgendem Vortrag ein:

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Delta shock solutions in Chaplygin gas and their interactions

Some recent dark-energy models in cosmology are made by using the Chaplygin equation that is mathematically expressed as an isentropic gas dynamics system with negative pressure. The Riemann problem for this system has a unique solution, which may include so-called delta shocks in some cases. The aim of this talk is to analyze all possible interactions of two wave families obtained from two Riemann problems. The mathematical tools are so-called shadow waves that contain delta shocks as a special case.

Zeit: **Donnerstag, 26. 01. 2012, 17.00 (s.t.)**

Ort: **Hörsaal HSB 7, Bauingenieurgebäude**

Gäste sind herzlich willkommen!

Michael Oberguggenberger