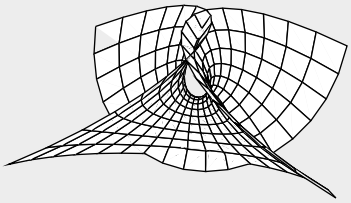

Oberseminar Mathematische Strömungsmechanik

Institut für Mathematik der Julius-Maximilians-Universität Würzburg

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A shear shallow water model and its numerical approximation

Abstract:

Shallow water models are derived under some smallness assumptions with the simplest model being sometimes called Saint-Venant system. By retaining more terms, we get higher order versions with the *shear shallow water model* being one such model, where some shear effects are present. This leads to a non-conservative system whose approximation poses some challenges. I will explain our efforts so far in the direction of path conservative methods, and point out many open questions.

room 40.03.003 (Emil Fischer Str. 40)

Thursday, May 23 at 12:30 pm

Zu diesem Vortrag sind Sie herzlich eingeladen.

gez. Christian Klingenberg