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Temperature effects and Ideal Gas Stokes flow

In this work, we will introduce a general framework to derive thermodynamics of a mechanical system, which guarantee the consistence between the energetic variational approaches with the laws of thermodynamics. In particular, we will focus on the coupling between the thermal and mechanical forces. We will also present the existences of weak solutions to these systems.

This is joint work with Chun Liu (Illinois Institute of Technology).

Ort: Mathematik Ost, 40.03.003   Zeit: Montag, 23.03.2020 um 11:30 Uhr

Zu diesem Vortrag sind Sie herzlich eingeladen.

gez. Anja Schlömerkemper