



Einladung zum Oberseminar Mathematik in den Naturwissenschaften

Julius-Maximilians-Universität Würzburg
Lehrstuhl für Mathematik in den Naturwissenschaften

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A simplified model for magnetorheological fluid and its corresponding effective system

We first present a simplified model for magnetorheological fluid, which is a one-way coupling between fluid and magnetic fields. The homogenization question is formulated, and the difficulties in analysis of the model are addressed. In the second part of the talk, we provide the qualitative homogenization results for the model. The main idea and proof of the results are also discussed.

Joint work with Yuliya Gorb and Silvia Jimenez Bolanos.

Ort: Zoom video conference

Zeit: Donnerstag, 21.10.2021 um 14:30 Uhr

You are cordially invited to this lecture. Request the Zoom link from
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gez. Anja Schlömerkemper