



Einladung zum Oberseminar Mathematik in den Naturwissenschaften

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

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Motion of a Rigid body in a Compressible Fluid with Navier-slip boundary condition

In this talk, we present a wellposedness result of fluid-structure interaction model regarding the motion of a rigid body in a bounded domain which is filled with a compressible isentropic fluid. We consider the Navier-slip boundary condition at the interface as well as at the boundary of the domain. We prove existence of a weak solution of the fluid-structure system up to collision. This is a joint work with Š. Nečasová, M. Ramaswamy and A. Schlömerkemper.

Ort: Mathematik Ost, 40.03.003 + Zoom

Zeit: Dienstag, 02.08.2022, 10:00 Uhr

You are cordially invited to this lecture.

Request the Zoom link from anja.schloemerkemper@mathematik.uni-wuerzburg.de

gez. Anja Schlömerkemper