



## Einladung zum Oberseminar Mathematik in den Naturwissenschaften

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

*Sourav Mitra*

University of Würzburg

### Control of a compressible FSI model

I will talk about a result on the control of a compressible FSI model in a 2d channel. I will first introduce the notion of controllability of a PDE and motivate an equivalent criteria for controlling a dynamical system. In the second part of the talk I will introduce a FSI model coupling a compressible fluid and an damped elastic structure appearing at the boundary. Then I will explain my result on the controllability of the same.

Ort: Zoom video conference

Zeit: Donnerstag, 28.10.2021 um 14:30 Uhr

You are cordially invited to this lecture. Request the Zoom link from  
[anja.schloerkemper@mathematik.uni-wuerzburg.de](mailto:anja.schloerkemper@mathematik.uni-wuerzburg.de)

gez. Anja Schlömerkemper