



Seminar of the Work Group
Nonlinear Partial Differential Equations
WS 21/22

Speaker: Zihui He
November 30th, 2021, 14:00 - 15:30
Zoom Link: <https://kit-lecture.zoom.us/j/5732649920>
Meeting ID: 573 264 9920
Seminar room: 3.068

Two-dimensional Boussinesq equations in general Sobolev spaces

KIT

Abstract

In this talk, I will present the existence, uniqueness as well as regularity results for the two-dimensional incompressible Boussinesq equations with temperature-dependent thermal and viscosity diffusion coefficients in general Sobolev spaces. The optimal regularity exponent ranges will also be considered.

This talk is based on a joint work with Xian Liao.