



Seminar of the Work Group
Nonlinear Partial Differential Equations
SS 22

Speaker: Dr. Illia Karabash
July 19th, 2022, 14:00 - 15:00
Seminar room: 3.061

The description of m -dissipative boundary conditions for Maxwell operators and applications

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Abstract

Motivated by the modeling of leaky optical cavities, we give a description of all m -dissipative boundary conditions for Maxwell operators in Lipschitz domains. Then it is planned to show applications of this description to Leontovich boundary conditions and to the cases of degenerate and randomized impedance coefficients. The talk is based on a recent joint paper with Matthias Eller doi.org/10.1016/j.jde.2022.04.006 (also arxiv.org/abs/2110.04586).