

Maximal parabolic regularity: an overview

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This talk serves as an introduction to the concept of maximal parabolic regularity. Maximal parabolic regularity is one of the main tools used in the analysis of quasilinear parabolic evolution equations and is also of use in related areas such as optimal control and numerical analysis. We give an overview over the abstract properties of operators satisfying maximal parabolic regularity, from the autonomous to the nonautonomous and finally to the quasilinear case.

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