

# Regularity of weak solutions to $p$ -Laplace and $p$ -Stokes systems

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We compare results on regularity of weak solutions for  $p$ -Laplace and  $p$ -Stokes systems. In particular, we focus on integrability and Hölder continuity of gradients of local weak solutions to the systems with right hand side in divergence form. We show that to some extent, both systems possess a property of maximal regularity, i.e., a suitable regularity of the right hand side transfers to the regularity of a local weak solution.

Large parts of the presentation are based on a joint work with Lars Diening and Sebastian Schwarzacher, Munich.

## *References*

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