

# How I met the normalized $p$ -Laplacian

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In the lecture I survey several results related to the normalized  $p$ -Laplacian. I presented this operator 15 years ago at a conference in Linköping and have repeatedly returned to the subject. A particular focus will be on qualitative behaviour and geometric properties of solutions to equations like a)  $u_t - \Delta_p^N u = 0$ , b)  $-\Delta_p^N u = 0$ , c)  $-\Delta_p^N u = 1$  or d)  $-\Delta_p^N u = \lambda u$ .

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