

P-LAPLACE WORKSHOP

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We will present an introduction to the p -Laplace equation for graduate students according to the following outline:

- (1) The case $1 < p < \infty$; various notions of weak solutions and regularity.
- (2) The limit cases $p = \infty$ and $p = 1$.
- (3) The two-dimensional case; connections with quasiregular mappings.
- (4) p -Harmonic measure.
- (5) The p -Laplacian relative to a set of Hörmander vector fields.