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Title: Potential estimates for solutions of nonstandard growth measure data problems

Abstract: We study the problem

\[-\text{div} A(x, Du) = \mu \quad \text{in} \quad \Omega \subset \mathbb{R}^n\]

with a nonnegative bounded measure \( \mu \) and a Carathéodory function \( A : \Omega \times \mathbb{R}^n \to \mathbb{R}^n \) with Orlicz growth with respect to the second variable. The assumptions naturally cover the case of Laplacian and \( p \)-Laplacian. Solutions to such problem can be unbounded, but we can control them by a certain potential of Wolff-type. The estimates we provide have many sharp regularity consequences such as Hölder continuity when measure satisfies a density condition in the relevant Orlicz-Morrey scale.

Based on joint project with Iwona Chlebicka and Flavia Giannetti; see preprint *Wolff potentials and local behaviour of solutions to measure data elliptic problems with Orlicz growth*, arXiv:2006.02172.