

# Finely continuously differentiable functions

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## **Abstract**

We define quasiminimizers of the  $p$ -energy integral as more robust generalizations of  $p$ -harmonic and harmonic functions. They share many useful properties with  $p$ -harmonic functions, such as maximum principle, Harnack inequality and some interior regularity. Other properties are much less understood or even fail, as shown by some counterexamples.