Hölder continuity of ω-minimizers of functionals with generalized Orlicz growth

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Abstract. We show local Hölder continuity of quasiminimizers of functionals with non-standard (Musielak–Orlicz) growth. Compared with previous results, we cover more general minimizing functionals and need fewer assumptions. We prove Harnack's inequality and a Morrey type estimate for quasiminimizers. Combining this with Ekeland's variational principle, we obtain local Hölder continuity for ω-minimizers.

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