

# Lipschitz regularity of almost-minimizers in one-phase problems with generalized Orlicz growth

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Optimal local Lipschitz regularity for scalar almost minimizers of Alt-Caffarelli-type functionals

$$\mathcal{F}(v; \Omega) = \int_{\Omega} \varphi(x, |\nabla v(x)|) + \lambda \chi_{\{v>0\}}(x) dx,$$

with growth function  $\varphi$  a generalized Orlicz function, is established. The results presented in this talk have been obtained in collaboration with Giovanni Scilla (Napoli), Francesco Solombrino (Lecce), and Anna Verde (Napoli).