

# Some results about singular elliptic problems in Orlicz-Sobolev spaces

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This work deals with existence, uniqueness and regularity of positive solutions of singular elliptic problems on a smooth bounded domain with Dirichlet boundary conditions involving the  $\Phi$ -Laplacian operator. The proof of existence is based on a variant of the generalized Galerkin method that we developed inspired on ideas by Browder [?] and a comparison principle. By using a kind of Moser scheme we show  $L^\infty(\Omega)$ -regularity for positive solutions.