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RADIAL MINIMIZER OF A P-GINZBURG-LANDAU TYPE FUNCTIONAL WITH NORMAL IMPURITY INCLUSION

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Abstract. The author proves the $W^{1,p}$ and $C^{1,\alpha}$ convergence of the radial minimizers u_ε of an Ginzburg-Landau type functional as $\varepsilon \to 0$. The zeros of the radial minimizer are located and the convergent rate of the module of the minimizer is estimated.

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