

Asymptotics of boundary value problems for supercritical Ginzburg-Landau energies

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Abstract. We present a result of variational convergence for Ginzburg-Landau type energies having “supercritical” growth, under a prescribed Dirichlet boundary condition. This is obtained modifying our previous result proved in a previous paper by the same authors about the Γ -convergence of the unconstrained functionals, and allows us to obtain the asymptotic behaviour of minimizers.