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An a priori estimate for the energy growth of minimizing entire solutions of the Ginzburg-Landau equation

In higher dimensions, the classification of minimizing entire solutions of the Ginzburg-Landau equation remains an open problem. With a view toward this classification, we study energy estimates of such minimizing solutions on large balls B_R in $\mathbb{R}^n$, $n \geq 2$. This is joint work with Étienne Sandier.