

Functional renormalization group in the broken symmetry phase

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The spontaneous symmetry breaking is imbedded into the functional renormalization group equations for the irreducible vertices of Ginzburg-Landau theory. Using a simple truncation of the coupled RG flow equations the full momentum dependence of the self-energy for the Ising universality class in D dimensions has been calculated. It is also shown, that close to the critical point the self-energy behavior is determined by two characteristic scales.