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Real time dynamics of the O(4) scalar theory within the fRG approach

The real-time O(N) scalar theory is investigated within the functional renormalization group method in the Keldysh formalism. The relevant formalism is simplified with the newly developed diagram technique. We solve the flow equations of two-point and four-point functions numerically. Dynamical critical exponent near the phase transition, and spectral functions at finite temperature have been calculated.

Topics

Other related physics

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