

## CRITICAL FLUCTUATIONS IN UNCONVENTIONAL SUPERCONDUCTORS

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Results concerning to the change of phase transition order in a zero external magnetic field due to critical fluctuations and anisotropy reported. The influence of the magnetic field and the disorder of type "random critical temperature" are also considered. The investigation is based on the Ginzburg-Landau models [1,2] of unconventional superconductors and their treatment by the methods of the perturbation theory and the renormalization group analysis within the two-loop approximation. Parts of this study are published in refs. [3-6]; see also the reviews [1,2] and ref. [7].

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