

Localized spin fluctuations in superconducting alloys

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The effects due to localized spin fluctuations (LSF) in dilute superconducting alloys are investigated.

Expressions for the critical temperature T_c as function of impurity concentration n_I and the specific heat jump at the transition $\Delta C(T_c)$ are obtained, both in the weak and strong magnetic limits. The results are discussed in the light of available experimental data. © 1974.