Erratum

Interactions between a $3d$ Impurity and Conduction Electrons

by L. L. Hirst

Z. Physik **244**, 230–244 (1971)

In Table 2, the entries involving $T_2 T_1 T_2$ or $T_1 T_1 T_1$ should have their signs reversed. As a consequence, the entries for $(t_2 e T_1 0)$ under $3d^2$ and $3d^7$ in Table 3 should have their signs reversed.

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Erratum

Effects of Pauli Paramagnetism on Superconducting Fluctuations

by Koya Aoi

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Eq. (29) should read

$$\sigma^{\text{fl}} = \frac{eT}{4\pi dD} \frac{f(\rho)}{\Delta H} \left[\cos \alpha + \frac{1}{3} H_c e (d \sin \alpha)^2 - \frac{\mu_B}{eD} \frac{\text{Im} \psi^{(1)}(\gamma)}{\text{Re} \psi^{(1)}(\gamma)} \right]^{-1}.$$

By examining the quantity in the square bracket of the above expression we concluded in the paper that for a given ΔH , σ^{fl} becomes the maximum for $\alpha = 90^\circ$ in the absence of Pauli paramagnetism. However it was found later by numerical calculations that $f(\rho)$ is strongly angular dependent and σ^{fl} becomes the maximum for $\alpha = \alpha_0 (\simeq 80^\circ \sim 89^\circ$ depending on sample parameters) regardless of whether the Pauli paramagnetism is limiting $H_c(T, \alpha)$ or not.

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