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# *Erratum*

# Simple approximation scheme for the Anderson impurity Hamiltonian

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The paper contains the following misprints:

1) p. 367, Eq. (15) must read:

$$\omega \simeq \frac{\Gamma}{\pi} \sum_m \ln \frac{|\varepsilon_{fm}|}{D+|\varepsilon_{fm}|}$$

2) p. 369, Fig. 1
The scale on the vertical axis must read $\Gamma/T_0 \times 10^{-1}$. The figure caption has to be changed accordingly "Variation of $\Gamma/T_0 \times 10^{-1}$ with the low temperature $f$-valence..."

3) p. 372 Lines following Eq. (45)

$$\ldots \bar{\omega} = \frac{\omega}{T_0} \quad \text{and} \quad \bar{w} \ldots$$

4) p. 372, Eq. (47) must read

$$\chi''(\omega, 0)$$
$$= \chi(0)\, \bar{w} \left\{ \frac{\bar{\omega}}{\bar{\omega}^2 + \bar{w}^2} \frac{1}{1+\bar{\omega}} + \frac{2\bar{\omega}}{(\bar{\omega}^2+\bar{w}^2)^2} \ln(1+\bar{\omega}) \right.$$
$$\left. + \frac{1}{\bar{w}} \operatorname{Im} \left[ \left( \frac{1}{\bar{\omega} - i\bar{w}} \right)^2 \ln \left( 1 - \frac{\bar{\omega}}{1+i\bar{w}} \right) \right] \right\}$$

5) p. 374, Eq. (A.2) last line must read

$$\ldots + \frac{1}{\bar{w}} \operatorname{Im} \frac{1}{(\bar{\omega}_{mm'} - i\bar{w})^2} \ln \left( 1 - \frac{\bar{\omega}}{1 + \bar{\Delta}_{m'} + i\bar{w}} \right); \quad \omega \geqq 0$$

6) Eq. (A.4) first line:

$$\ldots a_{\frac{1}{2}, -\frac{1}{2}}(\omega, 0) \ldots$$

second line:

$$\langle \ldots | J_x | \ldots \rangle$$

7) Eq. (B.2) first line

$$M_\alpha = -\frac{\partial \omega_0}{\partial H_\alpha} + \ldots$$

8) p. 375, Eq. (C.1) must read

$$\rho_{fm}(\omega) = \frac{1+e^{-\beta\omega}}{Z_f} \int_{-\infty}^{+\infty} d\omega'\, \rho_0(\omega')\, \rho_m(\omega+\omega')\, e^{-\beta\omega'}$$