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核数据评价与中国评价核数据库CENDL

葛智刚, 续瑞瑞, 刘萍

( $\sum_{J_1} C_{l_1 M_1}^{JM_s} S_{1 M_{S_1}} \lambda_{1 S_{1,1}}^M(\Omega) f_{1ST} \chi_{1(M_{T_1})} \right) f_{1C}(r, t, \theta, \omega)$ )

$\times \left( \sum_{J_2} C_{l_2 M_2}^{JM_s} S_{2 M_{S_2}} \lambda_{2 S_{2,2}}^M(\Omega) f_{2ST} \chi_{2(M_{T_2})} \right) v(r')$

$\times \sum_{J_3} C_{l_3 M_3}^{JM_s} S_{3 M_{S_3}} \lambda_{3 S_{3,3}}^M(\Omega) f_{3ST} \chi_{3(M_{T_3})} r'^2 dr' d\Omega'$  (16.4.12)

$+ \frac{1}{6} (2 + x_3 + x_1 + 2x_3x_1) t_3 t_1 \rho^\alpha + \frac{1}{6} (2 + 2x_0 + 2x_1 + x_0x_1) t_0 t_1 + (1 + 2x_0 + 2x_1 + x_0x_1) t_0 t_2 \rho^\alpha$

$+ 2(1 + x_0 + x_1 + x_0x_1) t_1 t_2 \rho^\alpha + (2 + x_0 + x_1 + x_0x_1) t_1 t_3 \rho^\alpha + \frac{1}{2} (2 + x_0 + x_1 + x_0x_1) t_0 t_2 t_3 \rho^\alpha + \frac{1}{2} (2 + x_0 + x_1 + x_0x_1) t_0 t_3 t_2 \rho^\alpha + \frac{1}{2} (2 + x_0 + x_1 + x_0x_1) t_1 t_2 t_3 \rho^\alpha$

$+ 2(1 + x_0 + x_1 + x_0x_1) t_0 t_1 t_2 t_3 \rho^\alpha + (2 + x_0 + x_1 + x_0x_1) I_0(\tau_a, \tau_a) + (1 + 2x_0 + 2x_1 + x_0x_1) I_1(\tau_a, \tau_a) + (1 + 2x_0 + 2x_1 + x_0x_1) I_2(\tau_a, \tau_a) + (1 + 2x_0 + 2x_1 + x_0x_1) I_3(\tau_a, \tau_a) + (1 + 2x_0 + 2x_1 + x_0x_1) I_4(\tau_a, \tau_a)$

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