

$$W_{\delta_1 \rho_1 \sigma_2}^{3\beta} = U_{\delta_1 \rho_1}^{3\beta} + \frac{1}{8\pi^2} \int_{\alpha_2}^{\alpha_2} d\alpha'_2 \left[\frac{U_{\delta_1 \rho_1}^{2\beta} - \alpha'_2 U_{\rho_1 \sigma_2}^{1\beta}}{U_{\rho_1 \sigma_2}^{0\beta}} \right]$$