

$$\left(\frac{\delta^2\psi_{io}}{\delta u_i^2}\right)\langle u_i\rangle_a+\frac{1}{2}\left(\frac{\delta^3\psi_{io}}{\delta u_i^3}\right)\langle u_i^2\rangle_a+\frac{1}{6}\left(\frac{\delta^4\psi_{io}}{\delta u_i^4}\right)\langle u_i^3\rangle_a-a=0$$