$$\left\{ \iiint \left({}^{2^+}\phi_{b\,ij} \cdot \mathcal{S}_{(1)}{}^{ij} \right)\!\left[x^0, x^1, x^2, x^3\right] dx^3\, dx^2\, dx^1, \right.$$

$$\iiint \left({}^{2^-}\phi_{\mathcal{A}\,lmn} \cdot \mathcal{S}_{(2)}{}^{lmn} \right)\!\left[x^0, y^1, y^2, y^3\right] dy^3\, dy^2\, dy^1 \right\} \approx$$

$$\iiint \frac{1}{32\,\mathcal{J}^2}\Big(-3\,\eta^{\|}_{im}\ \eta^{\|}_{ln}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,j} + 3\,\eta^{\|}_{il}\ \eta^{\|}_{mn}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,j} + 6\,\eta^{\|}_{im}\ \eta^{\|}_{jn}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,l} -$$

$$6\,\eta^{\|}_{ij}\ \eta^{\|}_{mn}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,l} + \eta^{\|}_{jm}\left(-3\,\eta^{\|}_{ln}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,i} + 6\,\eta^{\|}_{in}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,l} \right) -$$

$$6\,\eta^{\|}_{il}\ \eta^{\|}_{jn}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,m} + 6\,\eta^{\|}_{ij}\ \eta^{\|}_{ln}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,m} +$$

$$3\,\eta^{\|}_{jl}\left(\eta^{\|}_{mn}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,i} - 2\,\eta^{\|}_{in}\ {}^{1^-}\hat{\pi}_{\mathcal{A}\,m} \right)\Big)\cdot$$

$$\mathcal{S}_{(1)}{}^{ij} \cdot \mathcal{S}_{(2)}{}^{lmn} \bigg)\!\left[x^0, x^1, x^2, x^3\right] dx^3\, dx^2\, dx^1$$