$\mathcal{S} == \iiint \left(\frac{1}{6} \left(-4 \, t_{.3} \, \, \mathcal{A}^{\alpha \prime}_{ \, \alpha} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} + 6 \, \, \mathcal{A}^{\alpha \beta \chi} \, \, \, \sigma_{\alpha \beta \chi} + 6 \, \, f^{\alpha \beta} \, \, \tau \, (\Delta + \mathcal{K})_{\alpha \beta} + 8 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\alpha \,\,\theta} \, \, \partial_{\imath} f^{\alpha \imath} - 8 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \, \alpha} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{\prime \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{ \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{ \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{ \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{ \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{ \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{ \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime}_{ \,\,\theta} + 2 \, t_{.3} \, \, \mathcal{A}^{\,\,\theta}_{ \,\,\theta} \, \, \partial^{\imath} f^{\alpha \prime$ $4t_{.3}^{2}\partial_{i}f^{\theta}_{\theta}\partial^{i}f^{\alpha}_{\alpha}+4t_{.3}^{2}\partial_{i}f^{\alpha i}\partial_{\theta}f^{\theta}_{}-8t_{.3}^{2}\partial^{i}f^{\alpha}_{\alpha}\partial_{\theta}f^{\theta}_{}+8r_{.2}^{2}\partial_{\beta}\mathcal{R}_{\alpha i\theta}\partial^{\theta}\mathcal{R}^{\alpha\beta i}-4r_{.2}^{2}\partial_{\beta}\mathcal{R}_{\alpha\theta i}\partial^{\theta}\mathcal{R}^{\alpha\beta i}+4r_{.3}^{2}\partial_{\beta}\mathcal{R}_{\alpha\beta i}\partial^{\alpha}\mathcal{R}^{\alpha\beta i}\partial^{\alpha}\mathcal{R}^{\alpha\beta i}\partial^{\beta}\mathcal{R}^{\alpha\beta i}\partial^{\beta}\mathcal{R}$ $4 \mathop{r.}_{2} \partial_{\beta} \mathcal{A}_{,\theta\alpha} \partial^{\theta} \mathcal{R}^{\alpha\beta\prime} - 2 \mathop{r.}_{2} \partial_{\imath} \mathcal{R}_{\alpha\beta\theta} \partial^{\theta} \mathcal{R}^{\alpha\beta\prime} + 2 \mathop{r.}_{2} \partial_{\theta} \mathcal{R}_{\alpha\beta\imath} \partial^{\theta} \mathcal{R}^{\alpha\beta\prime} - 4 \mathop{r.}_{2} \partial_{\theta} \mathcal{R}_{\alpha\imath\beta} \partial^{\theta} \mathcal{R}^{\alpha\beta\prime} + 2 \mathop{r.}_{2} \partial_{\alpha\beta} \mathcal{R}_{\alpha\beta} \partial^{\alpha\beta} \partial^{$ $4t\underbrace{}_{2}\,\mathcal{A}_{,\theta\alpha}\,\partial^{\theta}f^{\alpha\iota} + 2\,\underbrace{}_{2}\,\partial_{\alpha}f_{,\theta}\,\partial^{\theta}f^{\alpha\iota} - \underbrace{}_{2}\,\partial_{\alpha}f_{\,\theta\iota}\,\partial^{\theta}f^{\alpha\iota} - \underbrace{}_{2}\,\partial_{\iota}f_{\,\alpha\theta}\,\partial^{\theta}f^{\alpha\iota} + \underbrace{}_{2}\,\partial_{\theta}f_{\,\alpha\iota}\,\partial^{\theta}f^{\alpha\iota} - \underbrace{}_{2}\,\partial_{\alpha}f_{\,\alpha\theta}\,\partial^{\theta}f^{\alpha\iota} + \underbrace{}_{2}\,\partial_{\alpha}f_{\,\alpha\theta}\,\partial^{\theta}f^{\alpha\iota} - \underbrace{}_{2}\,\partial_{\alpha}f_{\,\alpha\theta}\,\partial^{\theta}f^{\alpha\iota} + \underbrace{}_{2}\,\partial_{\alpha}f_{\,\alpha\theta}\,\partial^{\theta}f^{\alpha\iota} - \underbrace{}_{2}\,\partial_{\alpha}f_{\,\alpha\theta}\,\partial^{\theta}f^{\alpha\iota} + \underbrace{}_{2}\,\partial_{\alpha}f_{\,\alpha\theta}\,\partial^{\theta}f^{\alpha\iota} - \underbrace{}_{2}\,\partial_{\alpha}f^{\alpha\iota} - \underbrace{}_{2}\,\partial_{\alpha}f^{\alpha\iota} - \underbrace{$ $t_{2} \frac{\partial_{\theta} f_{,\alpha}}{\partial^{\theta}} \delta^{\alpha i} - 4t_{2} \frac{\partial_{\alpha \theta i}}{\partial^{\theta}} (\mathcal{A}^{\alpha i \theta} + \partial^{\theta} f^{\alpha i}) + 2t_{2} \frac{\partial_{\alpha i \theta}}{\partial^{\theta}} (\mathcal{A}^{\alpha i \theta} + 2 \partial^{\theta} f^{\alpha i})))[t, x, y, z] dz dy dx dt$ Wave operator $0.^{+}f^{\parallel} + \sqrt{2} kt. \quad 2k^{2}t.$ $0.^{+}f^{\perp}$ † $0 k^2 r_1 + t_2$ ^{0.} A[∥]† $1^+_{\cdot}\mathcal{H}^{\parallel}{}_{lphaeta}$ $1^+_{\cdot}\mathcal{H}^{\perp}{}_{lphaeta}$ $1^+_{\cdot}f^{\parallel}{}_{lphaeta}$ $1 \cdot f^{\parallel} + \frac{\alpha \beta}{3} \left[-\frac{1}{3} i \sqrt{2} kt_{2} - \frac{1}{3} i kt_{2} \right]$

Saturated propagator

 $0^+ \sigma^{\parallel} + \frac{1}{(1+2k^2)^2 t_1} - \frac{1}{(1+2k^2)^2 t_2}$

 $0.^{+} \tau^{\parallel} + \left| \frac{i \sqrt{2} k}{(1+2 k^{2})^{2} t_{3}} \right| \frac{2 k^{2}}{(1+2 k^{2})^{2} t_{3}}$

 $0.^{+}\tau^{\perp}$ †

⁰⁻σ^{||}†

PSALTer results panel

 $^{1}\mathcal{A}^{\parallel}$ † $^{\alpha}$

 $^{1}\mathcal{A}^{\perp}\dagger^{\alpha}$

 $^{1}f^{\parallel}\dagger^{\alpha}$

 $1.^{+} \sigma^{\perp} + \frac{3\sqrt{2}}{(3+k^{2})^{2} t_{2}} = \frac{3}{(3+k^{2})^{2} t_{2}} = \frac{3ik}{(3+k^{2})^{2} t_{2}}$

 $1^+_{7} \| +^{\alpha\beta}_{} | -\frac{3\,i\,\sqrt{2}\,k}{(3+k^2)^2\,t_{.}} - \frac{3\,i\,k}{(3+k^2)^2\,t_{.}} \frac{3\,k^2}{(3+k^2)^2\,t_{.}}$

 $1 \cdot \sigma^{\parallel}_{\alpha\beta}$ $1 \cdot \sigma^{\perp}_{\alpha\beta}$ $1 \cdot \tau^{\parallel}_{\alpha\beta}$

0

0

 $\frac{2ikt}{3} - \frac{1}{3}i\sqrt{2}kt$. 0

 $^{2^+}f^{\parallel}\dagger^{\alpha\beta}$ $2^{-}\mathcal{A}^{\parallel} + \alpha^{\beta\chi}$

 $0 \quad \frac{C_{\alpha}}{(3+2k^2)^2 t_3} \left[2^+_{\alpha} \sigma^{\parallel}_{\alpha\beta} \ 2^+_{\alpha} \tau^{\parallel}_{\alpha\beta} \ 2^-_{\alpha\beta\chi} \right]$

0

0

Multiplicities

3

3

3

3

3

5

 $^{2^+}\sigma^{\parallel}$ † $^{\alpha\beta}$

 $2^{-}\sigma^{\parallel} + \alpha^{\alpha\beta\chi}$

 $|2^{+}\mathcal{A}|_{\alpha\beta}^{\parallel} |2^{+}f|_{\alpha\beta}^{\parallel} |2^{-}\mathcal{A}|_{\alpha\beta\chi}^{\parallel}$

0 0

0 0 0

Source constraints Spin-parity form $0.^{+}\tau^{\perp} == 0$ $-2 i k^{0^+} \sigma^{\parallel} + 0^+ \tau^{\parallel} == 0$

 $1 \cdot \tau^{\parallel \alpha} == 0$

 $2^+_{\cdot \tau} \eta^{\alpha\beta} == 0$

 $2^+_{\cdot}\sigma^{\parallel}^{\alpha\beta} == 0$

Total expected gauge generators:

Massive spectrum

Massive particle

Pole residue: $\left| -\frac{1}{r_{\cdot}} \right| > 0$

Square mass: $\begin{vmatrix} \frac{t}{2} \\ -\frac{r}{2} \end{vmatrix} > 0$

Massless spectrum

Unitarity conditions

Spin: Parity:

(No particles)

 $r_{2} < 0 \&\& t_{2} > 0$

Covariant form $\partial_{\beta}\partial_{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta}==0$ $-ik \, 1_{\sigma} | \alpha + 1_{\tau} |^{\alpha} == 0$

 $\partial_{\beta}\partial_{\alpha}\tau\left(\Delta\!+\!\mathcal{K}\right)^{\alpha\beta}\!=\!=\partial_{\beta}\partial^{\beta}\tau\left(\Delta\!+\!\mathcal{K}\right)^{\alpha}_{\alpha}+2\,\partial_{\chi}\partial^{\chi}\partial_{\beta}\sigma^{\alpha}_{\alpha}^{\beta}$ $\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi}+\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}==\partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta}+\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\beta}_{\lambda}^{\chi}+\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\sigma^{\beta\alpha}_{\beta}$ $\overline{\partial_{\chi}\partial_{\beta}}\partial^{\alpha}\tau\left(\Delta\!+\!\mathcal{K}\right)^{\beta\chi}==\partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\left(\Delta\!+\!\mathcal{K}\right)^{\beta\alpha}$ $\partial_{\chi}\partial^{\alpha}\sigma^{\beta}_{\ \beta}^{\ \chi} + \partial_{\chi}\partial^{\chi}\sigma^{\beta\alpha}_{\ \beta} = 3 \partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$ $1_{\sigma^{\parallel}}^{\alpha} + 2_{\sigma^{\perp}}^{\alpha} = 0$ $\overline{i \, k \, \stackrel{1^+}{\cdot} \sigma^{\parallel}{}^{\alpha\beta} + \stackrel{1^+}{\cdot} \tau^{\parallel}{}^{\alpha\beta}} == 0 \, \left[\partial_{\chi} \partial^{\alpha} \tau \, (\Delta + \mathcal{K})^{\beta\chi} \right. \\ \left. + \partial_{\chi} \partial^{\beta} \tau \, (\Delta + \mathcal{K})^{\chi\alpha} + \partial_{\chi} \partial^{\chi} \tau \, (\Delta + \mathcal{K})^{\alpha\beta} + \partial_{\delta} \partial_{\chi} \partial^{\beta} \sigma^{\chi\alpha\delta} + \partial_{\delta} \partial^{\delta} \partial_{\chi} \sigma^{\alpha\beta\chi} \right. \\ = 0 + \left[\frac{\partial^{\alpha} \sigma}{\partial x^{\alpha}} + \frac{\partial^{\alpha} \sigma}{\partial x^$

 $^{1}\sigma^{\parallel}$ † $^{\alpha}$

 $\frac{1}{2}\sigma^{\perp} + \alpha$

 $\frac{1}{2}\tau^{\perp} + \alpha$

 $\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta}+\partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha}+\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta}+\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi}$

 $3\,\partial_\epsilon\partial_\delta\partial^\chi\partial^\beta\sigma^{\delta\alpha\epsilon} + 3\,\partial_\epsilon\partial^\epsilon\partial^\chi\partial^\beta\sigma^{\delta\alpha}_{\delta} + 2\,\partial_\epsilon\partial^\epsilon\partial_\delta\partial^\alpha\sigma^{\beta\chi\delta} + 4\,\partial_\epsilon\partial^\epsilon\partial_\delta\partial^\alpha\sigma^{\chi\beta\delta} +$

 $3\ \eta^{\alpha\chi}\ \partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial^{\beta}\sigma^{\delta}_{\ \delta}{}^{\epsilon} + 3\ \eta^{\beta\chi}\ \partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial_{\delta}\sigma^{\delta\alpha\epsilon} + 3\ \eta^{\alpha\chi}\ \partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial^{\epsilon}\sigma^{\delta\beta}_{\ \delta}$

 $3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi}+3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\beta}+3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\chi}+$

 $4\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\delta}+2\,\partial_{\delta}\partial^{\delta}\partial^{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi}_{\chi}+$

 $3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\chi\alpha} + 2\,\,\eta^{\alpha\beta}\,\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\tau\,(\Delta+\mathcal{K})^{\chi}_{\chi}$

 $2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\alpha}\sigma^{\delta\beta\chi} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\chi}\sigma^{\alpha\beta\delta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\sigma^{\beta\alpha\chi} + 4\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\sigma^{\chi\alpha\beta} +$

 $3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha} + 2\,\eta^{\alpha\beta}\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial_{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi\delta} = 0$

 $\overline{3 \partial_{\delta} \partial_{\chi} \partial^{\alpha} \sigma^{\chi \beta \delta} + 3 \partial_{\delta} \partial_{\chi} \partial^{\beta} \sigma^{\chi \alpha \delta}} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \sigma^{\chi}_{\chi}^{\delta} = 2 \partial_{\delta} \partial^{\beta} \partial^{\alpha} \sigma^{\chi}_{\chi}^{\delta} + 3 (\partial_{\delta} \partial^{\delta} \partial_{\chi} \sigma^{\alpha \beta \chi} + \partial_{\delta} \partial^{\delta} \partial_{\chi} \sigma^{\beta \alpha \chi})$

 $\frac{6ik}{(3+2k^2)^2t} - \frac{3i\sqrt{2}k}{(3+2k^2)^2t}$

 $\frac{6}{(3+2k^2)^2t.} - \frac{3\sqrt{2}}{(3+2k^2)^2t.}$

 $\frac{3\sqrt{2}}{(3+2k^2)^2t.\atop 3}\frac{3}{(3+2k^2)^2t.\atop 3}$ 0

 $3\,\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi} + 2\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} = 3\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi}$ $1^+_{\cdot}\sigma^{\parallel^{\alpha\beta}} = 1^+_{\cdot}\sigma^{\perp^{\alpha\beta}}$ $2^{-}\sigma^{\parallel^{\alpha\beta\chi}}=0$ $3\,\partial_{\epsilon}\partial_{\delta}\partial^{\chi}\partial^{\alpha}\sigma^{\delta\beta\epsilon} + 3\,\partial_{\epsilon}\partial^{\epsilon}\partial^{\chi}\partial^{\alpha}\sigma^{\delta\beta}_{\delta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\beta}\sigma^{\alpha\chi\delta} + 4\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\beta}\sigma^{\chi\alpha\delta} +$ $2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\beta}\sigma^{\delta\alpha\chi} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\chi}\sigma^{\beta\alpha\delta} + 4\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\chi}\sigma^{\delta\alpha\beta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\sigma^{\alpha\beta\chi} + \\$ $3 \ \eta^{\beta\chi} \ \partial_{\phi} \partial^{\phi} \partial_{\epsilon} \partial^{\alpha} \sigma^{\delta}_{\ \delta}^{\ \epsilon} + 3 \ \eta^{\alpha\chi} \ \partial_{\phi} \partial^{\phi} \partial_{\epsilon} \partial_{\delta} \sigma^{\delta\beta\epsilon} + 3 \ \eta^{\beta\chi} \ \partial_{\phi} \partial^{\phi} \partial_{\epsilon} \partial^{\epsilon} \sigma^{\delta\alpha}_{\ \delta} =$