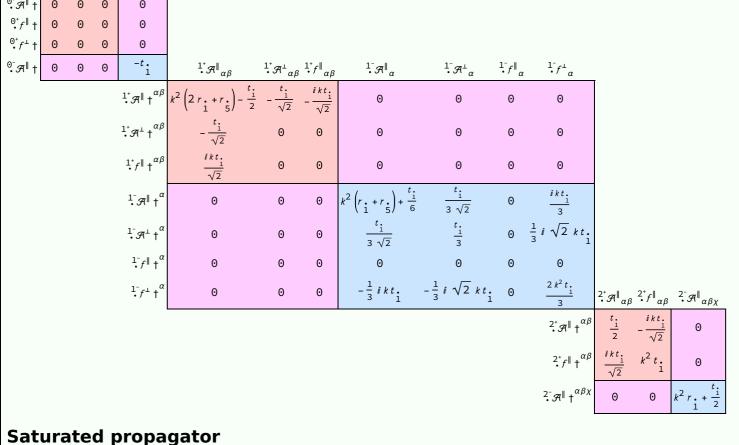
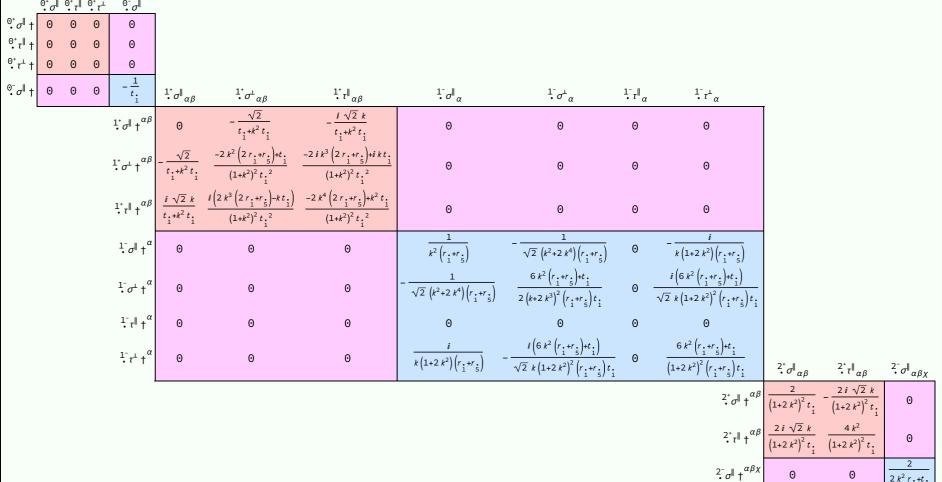
PSALTer results panel

$$S = \iiint \left(\frac{1}{6}\left(2t_{1}^{*}\mathcal{A}^{\alpha_{i}}_{\alpha}\mathcal{A}^{\theta}_{i}+6\mathcal{A}^{\alpha\beta\chi}_{\alpha}\sigma_{\alpha\beta\chi}+6f^{\alpha\beta}_{\alpha}\tau_{(\Delta+\mathcal{K})_{\alpha\beta}}-4t_{1}^{*}\mathcal{A}^{\theta}_{\alpha}\partial_{i}f^{\alpha_{i}}+4t_{1}^{*}\mathcal{A}^{\theta}_{i}\partial_{i}f^{\alpha_{i}}-2t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-8t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-2t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-2t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-2t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-2t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-2t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-2t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{i}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}+4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^{\alpha_{i}}-4t_{1}^{*}\partial_{\theta}f^{\alpha_{i}}\partial_{\theta}f^$$

Wave operator $0^{\circ}\mathcal{A}^{\parallel} 0^{\circ}f^{\parallel} 0^{\circ}f^{\perp} 0^{\circ}\mathcal{A}^{\parallel}$



Saturated propagate



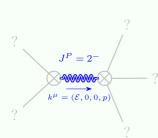
Source constraints

Spin-parity form	Covariant form	Multiplicities
⁰⁺ _• σ == 0	$\partial_{\beta}\sigma_{\alpha}^{\alpha\beta} = 0$	1
^{Θ+} τ [∥] == Θ	$\partial_{\beta}\partial_{\alpha\tau} \left(\Delta + \mathcal{K}\right)^{\alpha\beta} = \partial_{\beta}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha}_{\alpha}$	1
⁰⁺ τ [⊥] == 0	$\partial_{\beta}\partial_{\alpha}\tau \left(\Delta+\mathcal{K}\right)^{\alpha\beta}=0$	1
$2 i k \frac{1}{\cdot} \sigma^{\perp}^{\alpha} + \frac{1}{\cdot} \tau^{\perp}^{\alpha} = 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau \left(\Delta+\mathcal{K}\right)^{\beta\chi} = \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau \left(\Delta+\mathcal{K}\right)^{\alpha\beta} + 2 \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$	3
$\frac{1}{t} \ ^{\alpha} = 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\beta\chi} = \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\beta\alpha}$	3
$i k \frac{1}{\cdot} \sigma^{\perp} \alpha^{\beta} + \frac{1}{\cdot} \tau^{\parallel} \alpha^{\beta} = 0$	$\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} + 2\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 2\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} = =$	3
	$\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta}+\partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha}+2\ \partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta}$	
$-2 i k \frac{2^+ \sigma^{\parallel}^{\alpha\beta}}{1000} + \frac{2^+ \tau^{\parallel}^{\alpha\beta}}{1000} = 0$	$-i\left(4\ \partial_{\delta}\partial_{\chi}\partial^{\beta}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\chi\delta}+2\ \partial_{\delta}\partial^{\delta}\partial^{\beta}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\chi}_{\chi}-3\ \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\beta\chi}-\right.$	5
	$3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\alpha} _{\tau} \left(\Delta + \mathcal{K} \right)^{\chi\beta} - 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\beta} _{\tau} \left(\Delta + \mathcal{K} \right)^{\alpha\chi} - 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\beta} _{\tau} \left(\Delta + \mathcal{K} \right)^{\chi\alpha} + 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\chi} _{\tau} \left(\Delta + \mathcal{K} \right)^{\alpha\beta} +$	
	$3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}{}_{\tau}\left(\Delta+\mathcal{K}\right)^{\beta\alpha}+4ik^{\chi}\partial_{\epsilon}\partial_{\chi}\partial^{\beta}\partial^{\alpha}\sigma^{\delta}{}_{\delta}^{\epsilon}-6ik^{\chi}\partial_{\epsilon}\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\delta\beta\epsilon}-6ik^{\chi}\partial_{\epsilon}\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\delta\alpha\epsilon}+6ik^{\chi}\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial_{\chi}\sigma^{\alpha\beta\delta}+$	
	$ 6 \ \emph{i} \ \emph{k}^{\chi} \ \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \sigma^{\beta \alpha \delta} + 2 \ \eta^{\alpha \beta} \ \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \tau \left(\Delta + \mathcal{K} \right)^{\chi \delta} - 2 \ \eta^{\alpha \beta} \ \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\delta} \tau \left(\Delta + \mathcal{K} \right)^{\chi} - 4 \ \emph{i} \ \eta^{\alpha \beta} \ \emph{k}^{\chi} \ \partial_{\phi} \partial^{\phi} \partial_{\epsilon} \partial_{\chi} \sigma^{\delta}_{\ \delta} = 0 $	

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Massive spectrum

Total expected gauge generators:



Massive particle

Pole residue:	$-\frac{1}{r_{i}} > 0$
Square mass:	$-\frac{\frac{t}{1}}{2r} > 0$
Spin:	2
Parity:	Odd

Massless spectrum

$$k^{\mu} = (p, 0, 0, p)$$

$$\uparrow$$

Massless particle

Pole residue:	$-\frac{7}{{r \choose 1}+{r \choose 1}}+\frac{-2t \choose 1}{t \choose 1}\frac{p^2-4 \cdot (r + r \choose 1}{t \choose 1}\frac{p^4}{t} > 0$
Polarisations:	2

Unitarity conditions

r. < 0 && r. < -r. && t. > 0