

PSALTer results panel

$$S := \iiint \int \frac{1}{4} \left(2 a_{\alpha} \mathcal{A}_{\alpha}^{\beta} \mathcal{A}_{\beta\chi}^{\chi} + \mathcal{A}^{\alpha\beta\chi} \left(-2 a_{\alpha} \mathcal{A}_{\beta\chi\alpha} + 4 \mathcal{W}_{\alpha\beta\chi} \right) + 4 \mathcal{T}^{\alpha\beta} h_{\alpha\beta} - a_{\alpha} h_{\chi}^{\alpha} \partial_{\beta} \mathcal{A}^{\alpha\beta} + a_{\alpha} h_{\chi}^{\alpha} \partial_{\beta} \mathcal{A}^{\alpha\beta} - 2 a_{\alpha} h_{\alpha\chi} \partial_{\beta} \mathcal{A}^{\alpha\beta\chi} + 2 a_{\alpha} h_{\beta\chi} \partial^{\chi} \mathcal{A}_{\alpha}^{\beta} + 4 c_{\alpha} \partial_{\alpha} \mathcal{A}_{\chi}^{\delta} \partial^{\chi} \mathcal{A}^{\alpha\beta}_{\delta} - 4 c_{\alpha} \partial_{\chi} \mathcal{A}_{\alpha}^{\delta} \partial^{\delta} \mathcal{A}^{\alpha\beta}_{\beta} \right) |t, x, y, z| dz dy dx dt$$

Wave operator

[illegible]

Saturated propagator

[illegible]

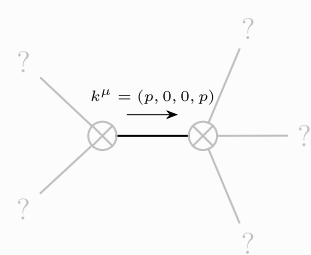
Source constraints

Spin-parity form	Covariant form	Multiplicities
$k^{\alpha} \omega_{\alpha}^{\mu} (1 + 2 \partial^{\mu} \omega_{\alpha}^{\alpha} - 6 \partial^{\mu} \omega^{\mu}{}_{\alpha}) = 0$	$2 \partial_{\beta} \partial_{\alpha} \omega^{\alpha\beta} + \partial_{\alpha} \partial_{\beta} \omega^{\alpha} \omega^{\beta}{}_{\alpha} = \partial_{\alpha} \partial_{\beta} \partial_{\gamma} \omega^{\alpha\beta\gamma}$	1
$k^{\alpha} \omega_{\alpha}^{\mu} (1 + 2 \partial^{\mu} \omega^{\mu}{}_{\alpha}) = 0$	$2 \partial_{\alpha} \partial_{\beta} \omega^{\alpha\beta} = \partial_{\alpha} \partial_{\beta} \partial_{\gamma} \omega^{\alpha\beta\gamma}$	1
$k^{\alpha} \omega_{\alpha}^{\mu} \partial^{\mu} (1 + \omega_{\alpha}^{\alpha}) = 0 \quad (3 \quad 1 \quad \omega_{\alpha}^{\alpha} + \frac{1}{2} \omega_{\alpha}^{\mu} \omega^{\mu}{}_{\alpha})$	$2 \partial_{\alpha} \partial_{\beta} \partial_{\gamma} \omega^{\alpha\beta\gamma} + \partial_{\alpha} \partial_{\beta} \partial_{\gamma} \omega^{\beta\alpha\gamma} = 2 \partial_{\alpha} \partial_{\beta} \partial_{\gamma} \omega^{\alpha\beta} + \partial_{\alpha} \partial_{\beta} \partial_{\gamma} \omega^{\alpha\gamma} \omega^{\beta}{}_{\alpha}$	δ
Total expected gauge generators:		5

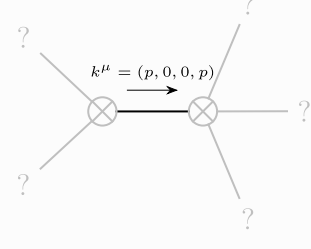
Massive spectrum

(There are no massive particles)

Massless spectrum



Pole residue:	$\frac{1}{c_s} > 0$
Polarisations:	2



Massless particle	
Pole residue:	$-\frac{p^2}{a_0} > 0$
Polarisations:	2

Gauge symmetries

(Not yet implemented in PSALter)

Unitarity conditions

$$a_0 < 0 \text{ \& \& } c_5 > 0$$

Validity assumptions

(Not yet implemented in PSALTER)