PSALTer results panel

$$S == \int\int\int\int \left(\mathcal{B}^{\alpha} \mathcal{J}_{\alpha} + \frac{\alpha}{2} \partial_{\alpha}\mathcal{B}^{\alpha} \partial_{\beta}\mathcal{B}^{\beta} \right) [t, x, y, z] \, dz \, dy \, dx \, dt$$

Wave operator

$$\begin{array}{|c|c|} \hline & \overset{0^+}{\bullet}\mathcal{B} \\ \hline \overset{0^+}{\bullet}\mathcal{B}\,\dagger & \frac{\alpha}{2} k^2 \quad \overset{1^-}{\bullet}\mathcal{B}_{\alpha} \\ \hline \overset{1^-}{\bullet}\mathcal{B}\,\dagger^{\alpha} & 0 \\ \hline \end{array}$$

Saturated propagator

$$\begin{array}{|c|c|} \hline & \overset{0^+}{\bullet}\mathcal{J} \\ \hline \overset{0^+}{\bullet}\mathcal{J}\,\dagger & \frac{1}{\frac{\alpha}{2} k^2} \quad \overset{1^-}{\bullet}\mathcal{J}_{\alpha} \\ \hline \overset{1^-}{\bullet}\mathcal{J}\,\dagger^{\alpha} & 0 \\ \hline \end{array}$$

Source constraints

Spin-parity form	Covariant form	Multiplicities
$\overset{1^-}{\bullet}\mathcal{J}^{\alpha} == 0$	$\partial_{\beta}\partial^{\alpha}\mathcal{J}^{\beta} == \partial_{\beta}\partial^{\beta}\mathcal{J}^{\alpha}$	3
Total expected gauge generators:		3

Massive spectrum

(There are no massive particles)

Massless spectrum

(There are no massless particles)

Gauge symmetries

(Not yet implemented in PSALTer)

Unitarity conditions

True

Validity assumptions

(Not yet implemented in PSALTer)