

PSALTer results panel

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

Wave operator

$$\begin{array}{cc} \begin{array}{c} \mathcal{B}^\alpha \\ \mathcal{J}^\alpha \end{array} & \begin{array}{c} \mathcal{B}_\alpha \\ \mathcal{J}_\alpha \end{array} \\ \begin{array}{c} 0 \\ 2 \alpha_\bullet k^2 \end{array} & \end{array}$$

Saturated propagator

$$\begin{array}{cc} \begin{array}{c} \mathcal{B}^\alpha \\ \mathcal{J}^\alpha \end{array} & \begin{array}{c} \mathcal{B}_\alpha \\ \mathcal{J}_\alpha \end{array} \\ \begin{array}{c} 0 \\ \frac{1}{2 \alpha_\bullet k^2} \end{array} & \end{array}$$

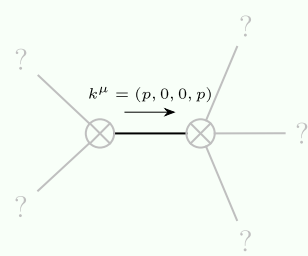
Source constraints

| Spin-parity form | Covariant form | Multiplicities |
|----------------------------------|--|----------------|
| $\mathcal{J}^\alpha = 0$ | $\partial_\alpha \mathcal{J}^\alpha = 0$ | 1 |
| Total expected gauge generators: | | 1 |

Massive spectrum

(No particles)

Massless spectrum



Massless particle

| | |
|----------------|---------------------------------|
| Pole residue: | $-\frac{1}{\alpha_\bullet} > 0$ |
| Polarisations: | 2 |

Unitarity conditions

$$\alpha_\bullet < 0$$