$$\alpha_1 \, \partial_\mu \varphi \, \partial^\mu \varphi \tag{1}$$

The (possibly singular) a-matrices associated with the Lagrangian, as defined below Eq. (18) of arXiv:1812.02675:

Matrix for spin-0 sector:

$$\left(\alpha_1 \, k^2 \right)$$

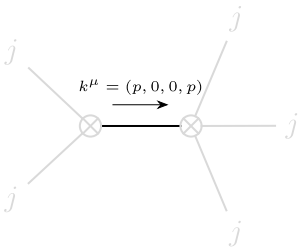
Gauge constraints on source currents:

The Drazin (Moore-Penrose) inverses of these a-matrices, which are functionally analogous to the inverse b-matrices described below Eq. (21) of arXiv:1812.02675:

Matrix for spin-0 sector:

$$\left(\frac{1}{\alpha_1 \, k^2} \right)$$

Overall particle spectrum:



Massless particle

Pole residue:	$\frac{1}{\alpha_1} > 0$
Polarisations:	1

Overall unitarity conditions:

$$\alpha_1 > 0$$