

Wave operator and propagator

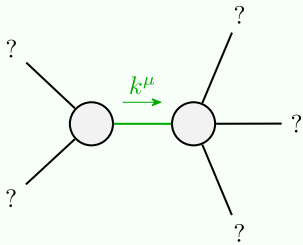
Source constraints		Fundamental fields	Multiplicities
$\sigma_0^{#1} == 0$		$\epsilon \eta_{\alpha\beta\chi\delta} \partial^\delta \sigma^{\alpha\beta\chi} == 0$	1
$\sigma_0^{#1+} == 0$		$\partial_\beta \sigma^{\alpha\beta}{}_\alpha == 0$	1
$\sigma_1^{#2\alpha} == 0$		$\partial_\chi \partial_\beta \sigma^{\alpha\beta\chi} == 0$	3
$\sigma_{1+}^{#2\alpha\beta} == 0$		$\partial_\delta \partial_\chi \partial^\alpha \sigma^{\beta\chi\delta} + \partial_\delta \partial^\delta \partial_\chi \sigma^{\alpha\beta\chi} == \partial_\delta \partial_\chi \partial^\beta \sigma^{\alpha\chi\delta}$	3
$\sigma_{2+}^{#1\alpha\beta} == 0$		$3 \partial_\delta \partial_\chi \partial^\alpha \sigma^{\beta\chi\delta} + 3 \partial_\delta \partial_\chi \partial^\beta \sigma^{\alpha\chi\delta} + 2 \eta^{\alpha\beta} \partial_\epsilon \partial^\epsilon \partial_\chi \sigma^{\chi\delta} ==$ $2 \partial_\delta \partial^\beta \partial^\alpha \sigma^{\chi\delta} + 3 (\partial_\delta \partial^\delta \partial_\chi \sigma^{\alpha\chi\beta} + \partial_\delta \partial^\delta \partial_\chi \sigma^{\beta\chi\alpha})$	5
Total constraints/gauge generators:			13

Quadratic (free) action

$$S = \int \int \int \int (\mathcal{A}^{\alpha\beta\chi} \sigma_{\alpha\beta\chi} - \frac{2}{3} r_1 (2 \partial_\beta \mathcal{A}_{\alpha|\theta} - \partial_\beta \mathcal{A}_{\alpha\theta|} + 4 \partial_\beta \mathcal{A}_{|\theta\alpha} +$$

[illegible]

Massive and massless spectra



Quadratic pole	
Pole residue:	$-\frac{1}{r_1(r_1+r_5)(2r_1+r_5)} > 0$
Polarisations:	2

(No massive particles)

Unitarity conditions

$$r_1 < 0 \&\& (r_5 < -r_1 \parallel r_5 > -2r_1) \parallel r_1 > 0 \&\& -2r_1 < r_5 < -r_1$$