

Wave operator and propagator

Massive and massless spectra



(No massless particles)

	$\sigma_{2^+}^{\#1} \alpha\beta$	$\tau_{2^+}^{\#1} \alpha\beta$	$\sigma_{2^-}^{\#1} \alpha\beta_X$
$\sigma_{2^+}^{\#1} \dagger \alpha\beta$	$\frac{2}{(1+2k^2)^2 t_1}$	$-\frac{2i\sqrt{2}k}{(1+2k^2)^2 t_1}$	0
$\tau_{2^+}^{\#1} \dagger \alpha\beta$	$\frac{2i\sqrt{2}k}{(1+2k^2)^2 t_1}$	$\frac{4k^2}{(1+2k^2)^2 t_1}$	0
$\sigma_{2^-}^{\#1} \dagger \alpha\beta_X$	0	0	$\frac{2}{t_1}$

Quadratic (free) action

$$4r_2\partial_\theta\omega_{\alpha\beta}\partial^\theta\omega^{\alpha\beta'})[t,x,y,z]dzdydxdt$$

$\omega_1^{\#1} + \alpha\beta$	$\frac{1}{6}(t_1 + 4t_2)$	$-\frac{t_1 - 2t_2}{3\sqrt{2}}$	$-\frac{i k(t_1 - 2t_2)}{3\sqrt{2}}$	0	0	0
$\omega_1^{\#1} + \alpha\beta$	$-\frac{t_1 - 2t_2}{3\sqrt{2}}$	$\frac{t_1 + t_2}{3}$	$\frac{1}{3} i k(t_1 + t_2)$	0	0	0
$f_1^{\#1} + \alpha\beta$	$-\frac{i k(t_1 - 2t_2)}{3\sqrt{2}}$	$-\frac{1}{3} i k(t_1 + t_2)$	$\frac{1}{3} k^2(t_1 + t_2)$	0	0	0
$\omega_1^{\#1} + \alpha$	0	0	0	$\frac{t_1}{6}$	$\frac{t_1}{3\sqrt{2}}$	$\frac{i k t_1}{3}$
$\omega_1^{\#2} + \alpha$	0	0	0	$\frac{t_1}{3\sqrt{2}}$	$\frac{t_1}{3}$	$\frac{1}{3} i \sqrt{2} k t_1$
$f_1^{\#1} + \alpha$	0	0	0	0	0	0
$f_1^{\#2} + \alpha$	0	0	0	$-\frac{1}{3} i k t_1$	$-\frac{1}{3} i \sqrt{2} k t_1$	$\frac{2 k^2 t_1}{3}$

$\omega_0^{\#1}$	$f_0^{\#1}$	$f_0^{\#2}$	$\omega_0^{\#1}$
$6k^2r_3$	0	0	0
0	0	0	0
0	0	0	0
0	0	0	$k^2r_2 + t_2$