Lagrangian density

$$-\frac{1}{2}\,\alpha_0\,\omega_{\alpha\zeta\beta}\,\omega^{\alpha\beta\zeta}-\frac{1}{2}\,\alpha_0\,\omega^{\alpha\beta}{}_{\alpha}\,\omega_{\beta}{}^{\zeta}{}_{\zeta}-\alpha_0\,f^{\alpha\beta}\,\partial_\beta\omega_{\alpha}{}^{\zeta}{}_{\zeta}+\alpha_0\,\partial_\beta\omega^{\alpha\beta}{}_{\alpha}+\alpha_0\,f^{\alpha\beta}\,\partial_\zeta\omega_{\alpha}{}^{\zeta}{}_{\beta}-\alpha_0\,f^{\alpha}{}_{\alpha}\,\partial_\zeta\omega^{\beta\zeta}{}_{\beta}$$

Added source term: $f^{\alpha\beta}\,\tau_{\alpha\beta}+\omega^{\alpha\beta\chi}\,\sigma_{\alpha\beta\chi}$

	$\omega^{\#1}_{2^+}{}_{\alpha\beta}$	$f^{\#1}_{2^+}{}_{\alpha\beta}$	$\omega^{\#1}_{2^-}{}_{\alpha\beta\chi}$
$\omega^{\#1}_{2^+}{}^{\dagger\alpha\beta}$	$-\frac{\alpha_0}{4}$	$\frac{i\,\alpha_0\,k}{2\sqrt{2}}$	0
$f^{\#1}_{2^+}{}^{\dagger\alpha\beta}$	$-\frac{i\,\alpha_0\,k}{2\sqrt{2}}$	0	0
$\omega^{\#1}_{2^-}{}^{\dagger\alpha\beta\chi}$	0	0	$-\frac{\alpha_0}{4}$

	$\sigma^{\#1}_{2^+}{}_{\alpha\beta}$	$\tau^{\#1}_{2^+}{}_{\alpha\beta}$	$\sigma^{\#1}_{2^-}{}_{\alpha\beta\chi}$
$\sigma^{\#1}_{2^+}{}^{\dagger\alpha\beta}$	0	$\frac{2\,i\,\sqrt{2}}{\alpha_0\,k}$	0
$\tau^{\#1}_{2^+}{}^{\dagger\alpha\beta}$	$-\frac{2\,i\,\sqrt{2}}{\alpha_0\,k}$	$\frac{2}{\alpha_0\,k^2}$	0
$\sigma^{\#1}_{2^-}{}^{\dagger\alpha\beta\chi}$	0	0	$-\frac{4}{\alpha_0}$

	$\sigma^{\#1}_{0^+}$	$\tau^{\#1}_{0^+}$	$\tau^{\#2}_{0^+}$	$\sigma^{\#1}_{0^-}$
$\sigma^{\#1}_{0^+}{}^{\dagger}$	0	$\frac{i\sqrt{2}}{\alpha_0\,k}$	0	0
$\tau^{\#1}_{0^+}{}^{\dagger}$	$-\frac{i\sqrt{2}}{\alpha_0\,k}$	$\frac{1}{\alpha_0\,k^2}$	0	0
$\tau^{\#2}_{0^+}{}^{\dagger}$	0	0	0	0
$\sigma^{\#1}_{0^-}{}^{\dagger}$	0	0	0	$\frac{2}{\alpha_0}$

Source constraints

SO(3) irreps	#
$\tau^{\#2}_{0^+} == 0$	1
$\tau^{\#2\,\alpha}_{1^-} + 2\,i\,k\,\sigma^{\#2\,\alpha}_{1^-} == 0$	3
$\tau^{\#1\,\alpha}_{1^-} == 0$	3
$\tau^{\#1\,\alpha\beta}_{1^+} + i\,k\,\sigma^{\#2\,\alpha\beta}_{1^+} == 0$	3
Total #:	10

	$\omega^{\#1}_{0^-}$	$f^{\#2}_{0^+}$	$f^{\#1}_{0^+}$	$\omega^{\#1}_{0^+}$
$\omega^{\#1}_{0^-}{}^{\dagger}$	0	0	0	$\frac{\alpha_0}{2}$
$f^{\#2}_{0^+}{}^{\dagger}$	0	0	0	0
$f^{\#1}_{0^+}{}^{\dagger}$	0	0	0	$\frac{i\,\alpha_0\,k}{\sqrt{2}}$
$\omega^{\#1}_{0^+}{}^{\dagger}$	$\frac{\alpha_0}{2}$	$-\frac{i\,\alpha_0\,k}{\sqrt{2}}$	0	0

	$\omega^{\#1}_{1^+}{}_{\alpha\beta}$	$\omega^{\#2}_{1^+}{}_{\alpha\beta}$	$f^{\#1}_{1^+}{}_{\alpha\beta}$	$\omega^{\#1}_{1^-}{}_{\alpha}$	$\omega^{\#2}_{1^-}{}_{\alpha}$	$f^{\#1}_{1^-}{}_{\alpha}$	$f^{\#2}_{1^-}{}_{\alpha}$
$\omega^{\#1}_{1^+}{}^{\dagger\alpha\beta}$	$\frac{\alpha_0}{4}$	$\frac{\alpha_0}{2\sqrt{2}}$	$\frac{i\,\alpha_0\,k}{2\sqrt{2}}$	0	0	0	0
$\omega^{\#2}_{1^+}{}^{\dagger\alpha\beta}$	$\frac{\alpha_0}{2\sqrt{2}}$	0	0	0	0	0	0
$f^{\#1}_{1^+}{}^{\dagger\alpha\beta}$	$-\frac{i\,\alpha_0\,k}{2\sqrt{2}}$	0	0	0	0	0	0
$\omega^{\#1}_{1^-}{}^{\dagger\alpha}$	0	0	0	$\frac{\alpha_0}{4}$	$-\frac{\alpha_0}{2\sqrt{2}}$	0	$-\frac{1}{2}\,i\,\alpha_0\,k$
$\omega^{\#2}_{1^-}{}^{\dagger\alpha}$	0	0	0	$-\frac{\alpha_0}{2\sqrt{2}}$	0	0	0
$f^{\#1}_{1^-}{}^{\dagger\alpha}$	0	0	0	0	0	0	0
$f^{\#2}_{1^-}{}^{\dagger\alpha}$	0	0	0	$\frac{i\,\alpha_0\,k}{2}$	0	0	0

	$\sigma^{\#1}_{1^+}{}_{\alpha\beta}$	$\sigma^{\#2}_{1^+}{}_{\alpha\beta}$	$\tau^{\#1}_{1^+}{}_{\alpha\beta}$	$\sigma^{\#1}_{1^-}{}_{\alpha}$	$\sigma^{\#2}_{1^-}{}_{\alpha}$	$\tau^{\#1}_{1^-}{}_{\alpha}$	$\tau^{\#2}_{1^-}{}_{\alpha}$
$\sigma^{\#1}_{1^+}{}^{\dagger\alpha\beta}$	0	$\frac{2\sqrt{2}}{\alpha_0+2\,\alpha_0\,k^2}$	$\frac{2\,i\,\sqrt{2}\,k}{\alpha_0+\alpha_0\,k^2}$	0	$-\frac{2\sqrt{2}}{\alpha_0+2\,\alpha_0\,k^2}$	0	0
$\sigma^{\#2}_{1^+}{}^{\dagger\alpha\beta}$	$\frac{2\sqrt{2}}{\alpha_0+\alpha_0\,k^2}$	$-\frac{2}{\alpha_0\,(1+k^2)^2}$	$-\frac{2\,i\,k}{\alpha_0\,(1+k^2)^2}$	0	$-\frac{2}{\alpha_0\,(1+2\,k^2)^2}$	0	0
$\tau^{\#1}_{1^+}{}^{\dagger\alpha\beta}$	$\frac{2\,i\,\sqrt{2}\,k}{\alpha_0+\alpha_0\,k^2}$	$-\frac{2\,i\,k}{\alpha_0\,(1+k^2)^2}$	$-\frac{2\,k^2}{\alpha_0\,(1+k^2)^2}$	0	0	0	$\frac{2\,i\,\sqrt{2}\,k}{\alpha_0\,(1+2\,k^2)^2}$
$\sigma^{\#1}_{1^-}{}^{\dagger\alpha}$	0	0	0	0	$-\frac{2\sqrt{2}}{\alpha_0+2\,\alpha_0\,k^2}$	0	0
$\sigma^{\#2}_{1^-}{}^{\dagger\alpha}$	0	0	0	$-\frac{2\sqrt{2}}{\alpha_0+2\,\alpha_0\,k^2}$	0	0	$-\frac{2\,i\,\sqrt{2}\,k}{\alpha_0\,(1+2\,k^2)^2}$
$\tau^{\#1}_{1^-}{}^{\dagger\alpha}$	0	0	0	0	0	0	$\frac{4\,i\,k}{\alpha_0+2\,\alpha_0\,k^2}$
$\tau^{\#2}_{1^-}{}^{\dagger\alpha}$	0	0	0	0	$-\frac{2\,i\,\sqrt{2}\,k}{\alpha_0\,(1+2\,k^2)^2}$	$\frac{4\,i\,k}{\alpha_0+2\,\alpha_0\,k^2}$	$-\frac{4\,k^2}{\alpha_0\,(1+2\,k^2)^2}$

(No massive particles)

Unitarity conditions

$\alpha_0 > 0$

Quadratic pole

Pole residue:	$\frac{1}{\alpha_0} > 0$
Polarisations:	2