Lagrangian density

$-\lambda\,\omega_{i\kappa\theta}\,\omega'^{i\theta\kappa}-\lambda\,\omega'^{i\theta}{}_{i}\,\omega^{\ \ \kappa}_{\theta\ \kappa}-\lambda\,\omega^{\ \ \kappa}_{i\kappa\alpha}-\lambda\,\omega^{\ \kappa\zeta}_{i}\,\omega_{\kappa\zeta}{}^{i}-$

$2\lambda\,f'^{i\theta}\partial_{\theta}\omega^{\ \ \kappa}_{i\ \kappa}+2\lambda\partial_{\theta}\omega'^{i\theta}+2\lambda\,f'^{i\theta}\partial_{\kappa}\omega^{\ \ \kappa}_{i\ \theta}-2\lambda\,f'^{i}{}_{i}\,\partial_{\kappa}\omega^{\theta\kappa}{}_{\theta}-$

$\tfrac{1}{2}\lambda\partial^{\alpha}f_{\theta\kappa}\partial^{\kappa}f^{\ \ \theta}_{\alpha}-\tfrac{1}{2}\lambda\partial^{\alpha}f_{\kappa\theta}\partial^{\kappa}f^{\ \ \theta}_{\alpha}-\tfrac{1}{2}\lambda\partial^{\alpha}f^{\zeta}_{\ \kappa}\partial^{\kappa}f_{\alpha\zeta}+$

$\lambda\,\omega_{\kappa\alpha}{}^{\ \alpha}\partial^{\kappa}f'_{\ i}+\lambda\,\omega^{\ \zeta}_{\kappa\ \zeta}\partial^{\kappa}f'^{\ i}_{\ i}+2\lambda\partial^{\alpha}f_{\kappa\alpha}\partial^{\kappa}f'_{i}-\lambda\partial_{\kappa}f^{\zeta}_{\ \zeta}\partial^{\kappa}f'^{i}_{\ i}+$

$2\lambda\,\omega_{i\kappa\theta}\partial^{\kappa}f'^{i\theta}-\lambda\,\omega_{i\alpha}{}^{\ \alpha}\partial^{\kappa}f'_{\ i\zeta}-\lambda\,\omega^{\ \zeta}_{i\ \zeta}\partial^{\kappa}f'^{\ i}_{\kappa}+\tfrac{1}{2}\lambda\partial^{\alpha}f^{\zeta}_{\ \kappa}\partial^{\kappa}f_{\zeta\alpha}+$

$\tfrac{1}{2}\lambda\partial_{\kappa}f^{\zeta}_{\ \theta}\partial^{\kappa}f^{\ \ \theta}_{\zeta}+\tfrac{1}{2}\lambda\partial_{\kappa}f^{\zeta}_{\ \zeta}\partial^{\kappa}f^{\theta}_{\ \theta}-\lambda\partial^{\alpha}f^{\zeta}_{\ \alpha}\partial^{\kappa}f_{\zeta\kappa}$

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

	$f_1^{\#2}\dagger^{\alpha}$	$f_1^{\#1}\dagger^{\alpha}$	$\omega_1^{\#2}\dagger^{\alpha}$	$\omega_1^{\#1}\dagger^{\alpha}$	$f_1^{\#1}\dagger^{\alpha\beta}$	$\omega_1^{\#2}\dagger^{\alpha\beta}$	$\omega_1^{\#1}\dagger^{\alpha\beta}$
$\omega_1^{\#1}{}_{+\alpha\beta}$	0	0	0	0	0	0	0
$\omega_1^{\#2}{}_{+\alpha\beta}$	0	0	0	0	0	0	0
$f_1^{\#1}{}_{+\alpha\beta}$	0	0	0	0	0	0	0
$\omega_1^{\#1}{}_{-\alpha}$	0	0	0	0	0	0	0
$\omega_1^{\#2}{}_{-\alpha}$	0	0	0	0	0	0	0
$f_1^{\#1}{}_{-\alpha}$	0	0	0	0	0	0	0
$f_1^{\#2}{}_{-\alpha}$	0	0	0	0	0	0	0

	$\sigma_{0^+}^{\#1}$	$\tau_{0^+}^{\#1}$	$\tau_{0^+}^{\#2}$	$\sigma_{0^-}^{\#1}$
$\sigma_{0^+}^{\#1}\dagger$	0	0	0	0
$\tau_{0^+}^{\#1}\dagger$	0	$-\dfrac{1}{2k^2\lambda}$	0	0
$\tau_{0^+}^{\#2}\dagger$	0	0	0	0
$\sigma_{0^-}^{\#1}\dagger$	0	0	0	0

	$\omega_2^{\#1}{}_+{}^{\alpha\beta\chi}$	$f_2^{\#1}\dagger^{\alpha\beta}$	$\omega_2^{\#1}\dagger^{\alpha\beta}$
$\omega_2^{\#1}{}_{+\alpha\beta}$	0	0	0
$f_2^{\#1}{}_{+\alpha\beta}$	0	$k^2\lambda$	0
$\omega_2^{\#1}{}_{-\alpha\beta\chi}$	0	0	0

	$\sigma_2^{\#1}{}_+{}^{\alpha\beta\chi}$	$\tau_2^{\#1}\dagger^{\alpha\beta}$	$\sigma_2^{\#1}\dagger^{\alpha\beta}$
$\sigma_2^{\#1}{}_{+\alpha\beta}$	0	0	0
$\tau_2^{\#1}{}_{+\alpha\beta}$	0	$\dfrac{1}{k^2\lambda}$	0
$\sigma_2^{\#1}{}_{-\alpha\beta\chi}$	0	0	0

	$\sigma_{1^+}^{\#1}{}_{\alpha\beta}$	$\sigma_{1^+}^{\#2}{}_{\alpha\beta}$	$\tau_{1^+}^{\#1}{}_{\alpha\beta}$	$\sigma_{1^-}^{\#1}{}_{\alpha}$	$\sigma_{1^-}^{\#2}{}_{\alpha}$	$\tau_{1^-}^{\#1}{}_{\alpha}$	$\tau_{1^-}^{\#2}{}_{\alpha}$
$\sigma_{1^+}^{\#1}\dagger^{\alpha\beta}$	0	0	0	0	0	0	0
$\sigma_{1^+}^{\#2}\dagger^{\alpha\beta}$	0	0	0	0	0	0	0
$\tau_{1^+}^{\#1}\dagger^{\alpha\beta}$	0	0	0	0	0	0	0
$\sigma_{1^-}^{\#1}\dagger^{\alpha}$	0	0	0	0	0	0	0
$\sigma_{1^-}^{\#2}\dagger^{\alpha}$	0	0	0	0	0	0	0
$\tau_{1^-}^{\#1}\dagger^{\alpha}$	0	0	0	0	0	0	0
$\tau_{1^-}^{\#2}\dagger^{\alpha}$	0	0	0	0	0	0	0

	$\omega_0^{\#1}\dagger$	$f_0^{\#2}\dagger$	$f_0^{\#1}\dagger$	$\omega_0^{\#1}\dagger$
$\omega_0^{\#1}{}_+$	0	0	0	0
$f_0^{\#2}{}_+$	0	0	0	0
$f_0^{\#1}{}_+$	0	0	$-2k^2\lambda$	0
$\omega_0^{\#1}{}_-$	0	0	0	0

Source constraints

SO(3) irreps	#
$\sigma_{0^-}^{\#1}==0$	1
$\tau_{0^+}^{\#2}==0$	1
$\sigma_{0^+}^{\#1}==0$	1
$\tau_{1^-}^{\#2\alpha}==0$	3
$\tau_{1^-}^{\#1\alpha}==0$	3
$\sigma_{1^-}^{\#2\alpha}==0$	3
$\sigma_{1^-}^{\#1\alpha}==0$	3
$\tau_{1^+}^{\#1\alpha\beta}==0$	3
$\sigma_{1^+}^{\#2\alpha\beta}==0$	3
$\sigma_{1^+}^{\#1\alpha\beta}==0$	3
$\sigma_{2^-}^{\#1\alpha\beta\chi}==0$	5
$\sigma_{2^+}^{\#1\alpha\beta}==0$	5
Total #:	34

Unitarity conditions

$\lambda>0$

(No massive particles)

Quadratic pole

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