

Wave operator and propagator

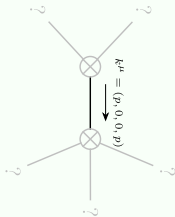
$$S = \iiint (h^{\alpha\beta} \mathcal{T}_{\alpha\beta} + 2 \alpha (-\partial_\nu h_{\mu\rho} + \partial_\rho h_{\mu\nu}) \partial^\rho h^{\mu\nu}) [t, x, y, z] d^3z d^3y d^3x$$

Massive and massless spectra



(No particles)

Massless particle	
Poleresidue:	$\frac{1}{\alpha} > 0$
Polarisations:	5



Unitarity conditions