

## Wave operator and propagator

$$S = \iiint (h^{\alpha\beta} \tau_{\alpha\beta} + \frac{1}{2} \beta \partial_\beta h^\chi_\chi \partial^\beta h^\alpha_\alpha + \alpha (\partial_\alpha h^{\alpha\beta} \partial_\chi h^\chi_\beta - \partial^\beta h^\alpha_\alpha \partial_\chi h^\chi_\beta - \frac{1}{2} \partial_\chi h_{\alpha\beta} \partial^\chi h^{\alpha\beta})) [t, x, y, z] d^4x$$

## Massive and massless spectra

