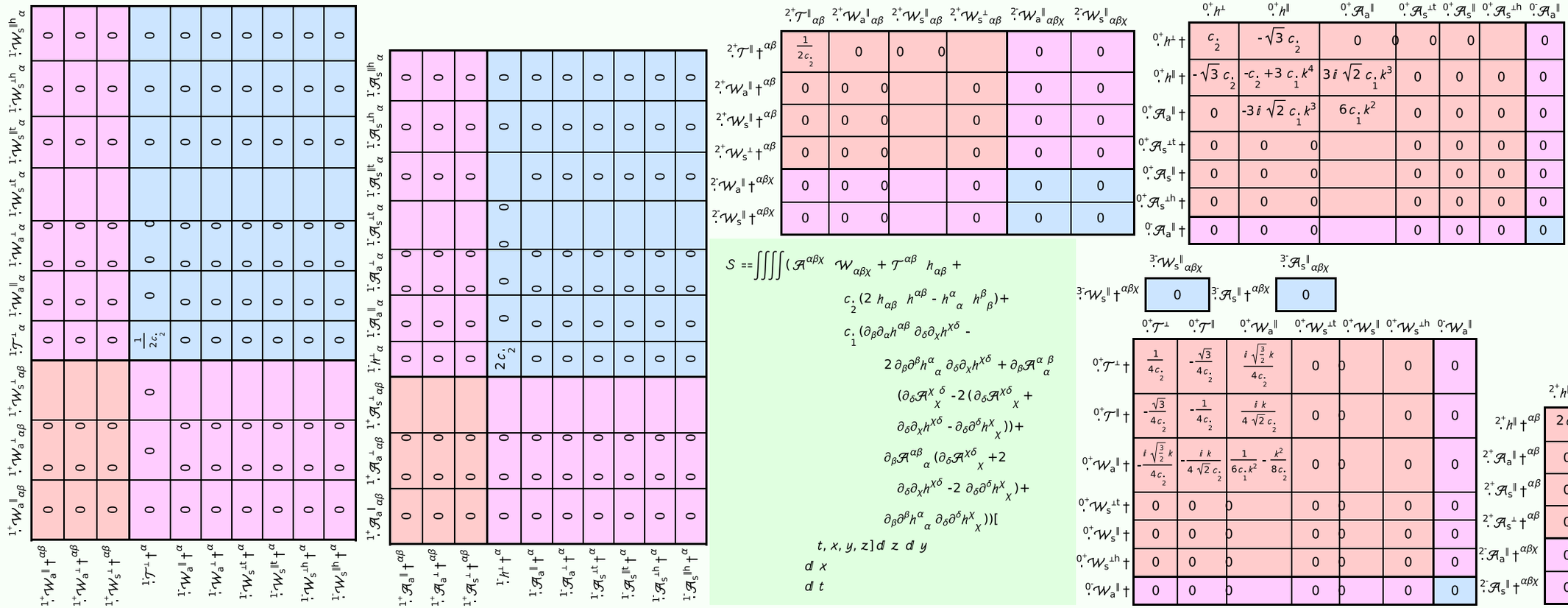
PSALTer results panel

Wave operator and propagator



$$
\begin{aligned}
S == \iiiint (& \mathcal{A}^{\alpha\beta\chi}\ \mathcal{W}_{\alpha\beta\chi} + \mathcal{T}^{\alpha\beta}\ h_{\alpha\beta} + \\
& c_2 (2\ h_{\alpha\beta}\ h^{\alpha\beta} - h^{\alpha}{}_{\alpha}\ h^{\beta}{}_{\beta}) + \\
& c_1 (\partial_\beta \partial_\alpha h^{\alpha\beta}\ \partial_\delta \partial_\chi h^{\chi\delta} - \\
& \quad 2\,\partial_\beta \partial^\beta h^{\alpha}{}_{\alpha}\ \partial_\delta \partial_\chi h^{\chi\delta} + \partial_\beta \mathcal{A}^{\alpha\ \beta}_{\ \alpha} \\
& \quad (\partial_\delta \mathcal{A}^{\chi\ \delta}_{\ \chi} - 2\,(\partial_\delta \mathcal{A}^{\chi\delta}{}_{\chi} + \\
& \quad \partial_\delta \partial_\chi h^{\chi\delta} - \partial_\delta \partial^\delta h^{\chi}{}_{\chi})) + \\
& \quad \partial_\beta \mathcal{A}^{\alpha\beta}{}_{\alpha}\ (\partial_\delta \mathcal{A}^{\chi\delta}{}_{\chi} + 2 \\
& \quad \partial_\delta \partial_\chi h^{\chi\delta} - 2\ \partial_\delta \partial^\delta h^{\chi}{}_{\chi}) + \\
& \quad \partial_\beta \partial^\beta h^{\alpha}{}_{\alpha}\ \partial_\delta \partial^\delta h^{\chi}{}_{\chi}))\,[\\
& t, x, y, z]\, dl\ z\ dl\ y \\
& dl\ x \\
& dl\ t
\end{aligned}
$$

Massive and massless spectra

(No particles) (No particles)

Unitarity conditions

True