$$\gamma_{ij} = \gamma_{ij}^{\mathrm{A}} + \gamma_{ij}^{\mathrm{B}} \boxed{- \delta_{ij}}$$

- Squeeze through initial data
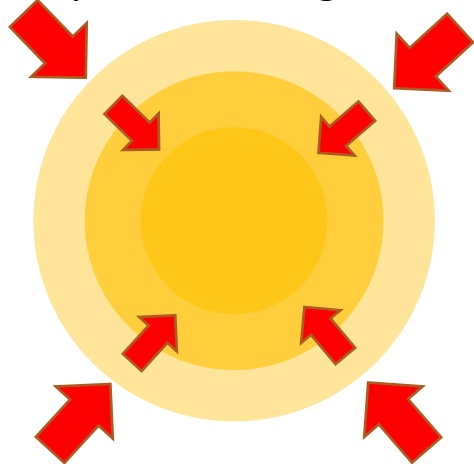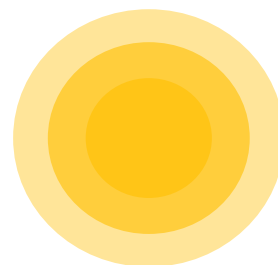
Black Hole
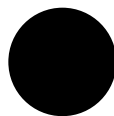
Highly perturbed star

Possible consequences
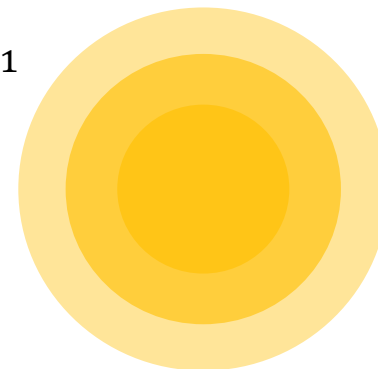
t_0 t_1 t_2
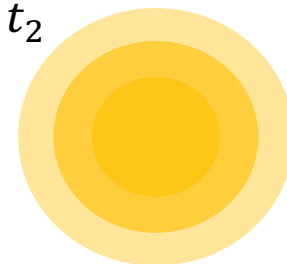
$$\gamma_{ij} = \gamma_{ij}^{\mathrm{A}} + \gamma_{ij}^{B} \boxed{- \gamma_{ij}^{\mathrm{B}}(x_{\mathrm{A}}^{i})}$$
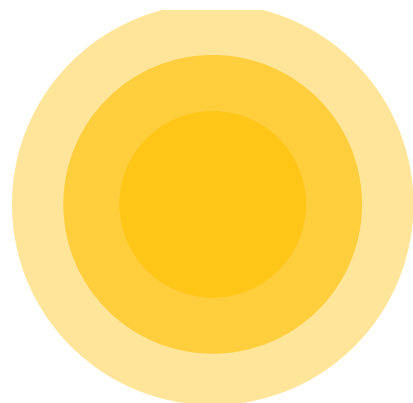
Minor perturbations

t_0 t_1