



The thick purple line ($\Sigma_{t=0} = \Sigma_P \cup \partial\Sigma \cup \Sigma_{P'}$) denotes a Cauchy surface at $t = 0$ and other purple curves describe

The boldface \mathbf{B} denotes the time band $[\tau_1, \tau_0]$ and the grey triangle wedge, $\mathcal{E}(\mathbf{B})$, represents a timelike env