Initial conditions at t = 0:

•
$$B(t = 0, u) = \beta u^4 \exp(-\frac{(u - u_0)^2}{2 \omega^2})$$
 with $\begin{cases} \beta = 0.9 \\ u_0 = 0.5 \\ \omega = 1/20 \end{cases}$

Initial energy density: $T^{00}=-\frac{3}{2}\kappa\;a^{(4)}$ with $a^{(4)}(t=0)=-1.5$

