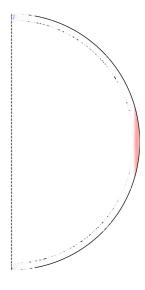
## Entropy perturbation



 $t = 1.361 \times 10^{1}$ 

## Angular velocity $\omega$



 $t=1.361\times 10^1$ 



