



mathplotlib

$\frac{d\rho}{dt} + \rho \nabla \cdot \mathbf{v} = -\nabla p + \mu \nabla^2 \mathbf{v} + \rho \mathbf{g}$
 $\mathbf{F} = -\nabla \Phi = -\frac{G m_1 m_2}{r^2} \hat{r}$
 $\mathcal{L} = \int \delta_1 \rho_1 \sigma_2 + \frac{1}{8\pi^2} \int_{\alpha_2} d\alpha'_2 \frac{1}{\rho_1} U^0$