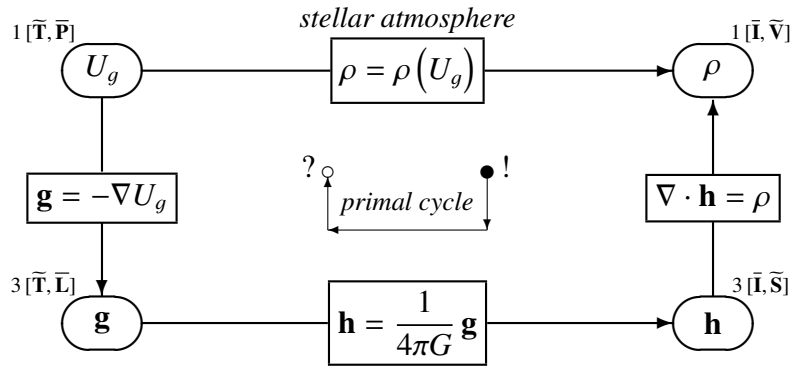


## Classical gravitational field

*configuration variables  
inner space orientation  
primal complex*

*source variables  
outer space orientation  
dual complex*



$U_g$  gravitational potential

$\rho$  gravitational mass density

$\mathbf{g}$  acceleration of free fall

$\mathbf{h}$  gravitational flux density

$G$  gravitational constant

Newton:  $\mathbf{g} = -G \frac{M}{r^2} \mathbf{e}_r$

Poisson:  $-\frac{1}{4\pi G} \nabla^2 U_g = \rho$

$$U_g \triangleq \int_r^\infty \mathbf{g} \cdot \mathbf{e}_r dr$$

$$U_g = -G \frac{M}{r}$$

$$\mathbf{g} = -\nabla U_g$$

