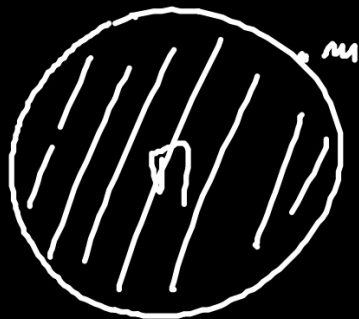


MODELLO

COSMOLOGICO

$$\rho = \frac{4}{3}\pi R^3$$



$$\cancel{m} R = -G \frac{\rho \cdot \cancel{m}}{R^2}$$
$$R = -G \frac{\rho}{R^2}$$

$$Q = -G \frac{\frac{4\pi}{3} R^3 \rho}{R^2}$$

$$= -G \frac{4\pi}{3} \rho R$$

$\underbrace{\qquad\qquad\qquad}_{\neq 0} > 0 \quad > 0$

$$Q < 0 \quad \forall \quad t$$



NON CI SONO

SOL. STAZIONARIE

↓
L'UNIVERSO EVOLVE!

$$L = \Delta E_c$$

$$= -\Delta U$$

