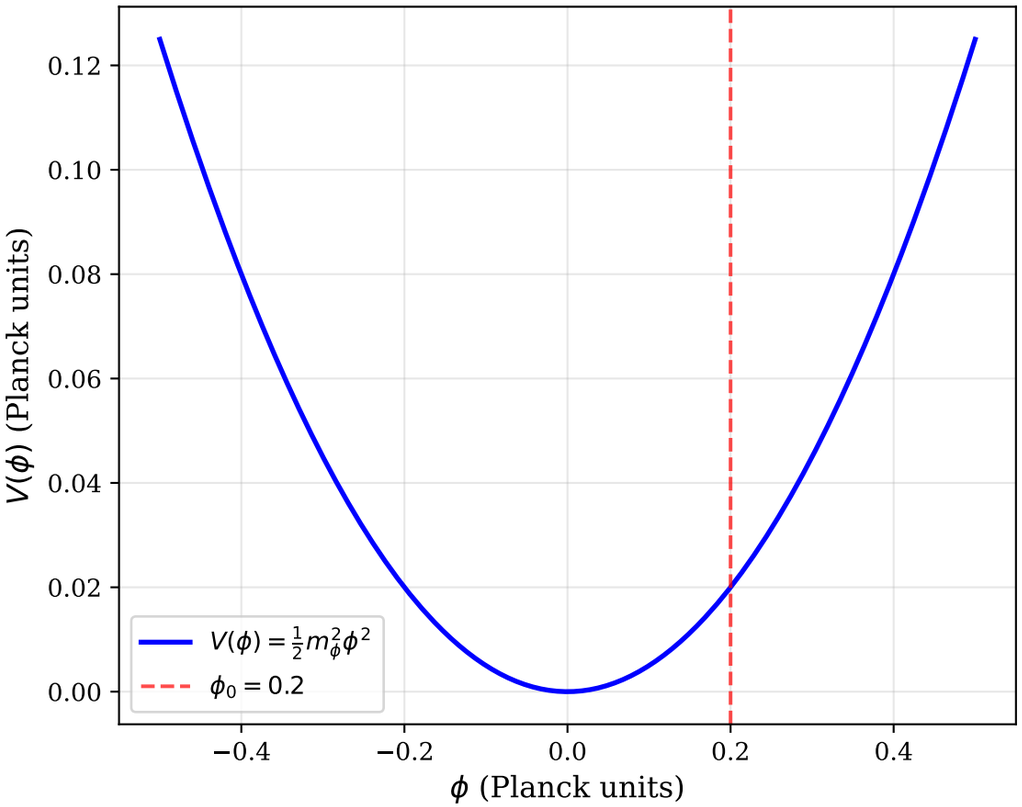
(a) Scalar Field Potential



(b) HRC Field Equations

Action :

$$S = \int d^4x\sqrt{-g}\left[\frac{R}{16\pi G} - \frac{1}{2}(\partial\phi)^2 - V(\phi) - \xi\phi R\right]$$

Field Equations :

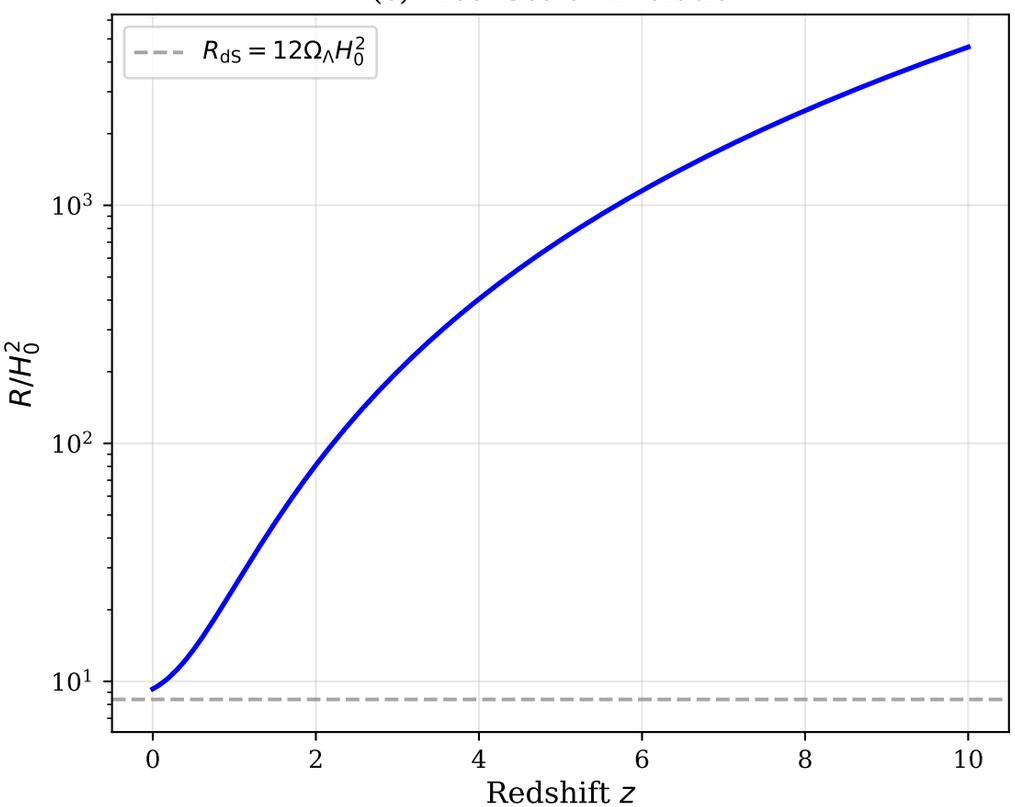
$$G_{\mu\nu} = 8\pi G_{\text{eff}} T_{\mu\nu}$$

$$\ddot{\phi} + 3H\dot{\phi} + V'(\phi) + \xi R = 0$$

Effective Gravity :

$$G_{\text{eff}} = \frac{G}{1 - 8\pi G\xi\phi}$$

(c) Ricci Scalar Evolution



(d) Stability Region (green = stable)