Exact numeric solve

Approximated analytical closed form

Weak mutations effects approximation

$\lambda \ll r_{max}$

$\omega_R^{DN} = U\, f(r_D, r_{max}, \lambda, n)$ ⟶ $\omega_R^{DN} \approx U\, \frac{e^{-\alpha}\, \alpha^{-3/2}}{\sqrt{2\pi}}$

effects of dimension ***n*** vanish

$$\alpha \approx \frac{r_D^2}{4\, r_{max}\, \lambda}$$

The effective stress level

$\phi_R^{SV} = g(r_D, r_{max}, \lambda, n)$ ⟶ $\phi_R^{SV} \approx \frac{r_D}{\lambda\, n/2 + \alpha\lambda + r_D}$