Exact numeric
solve

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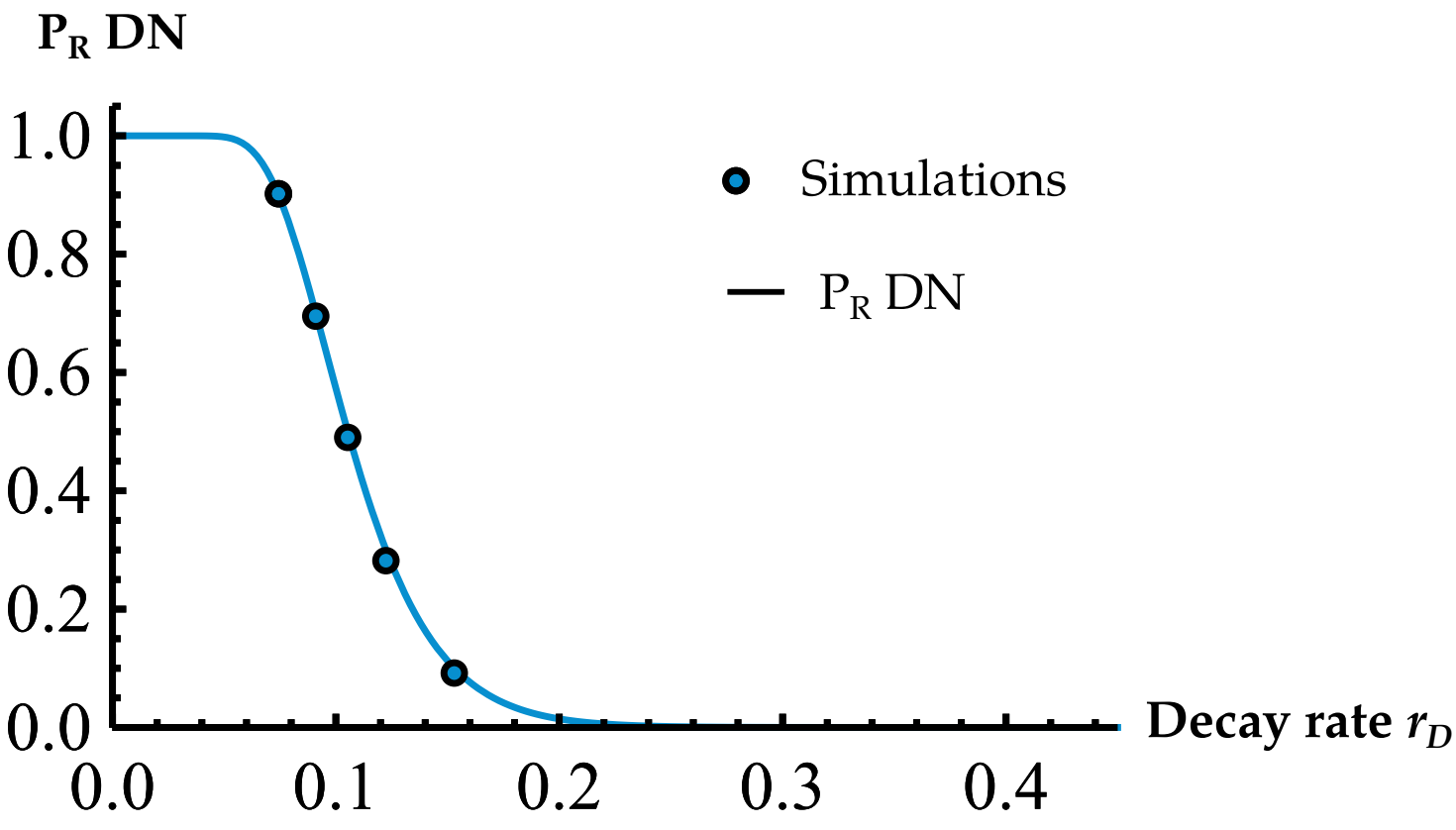
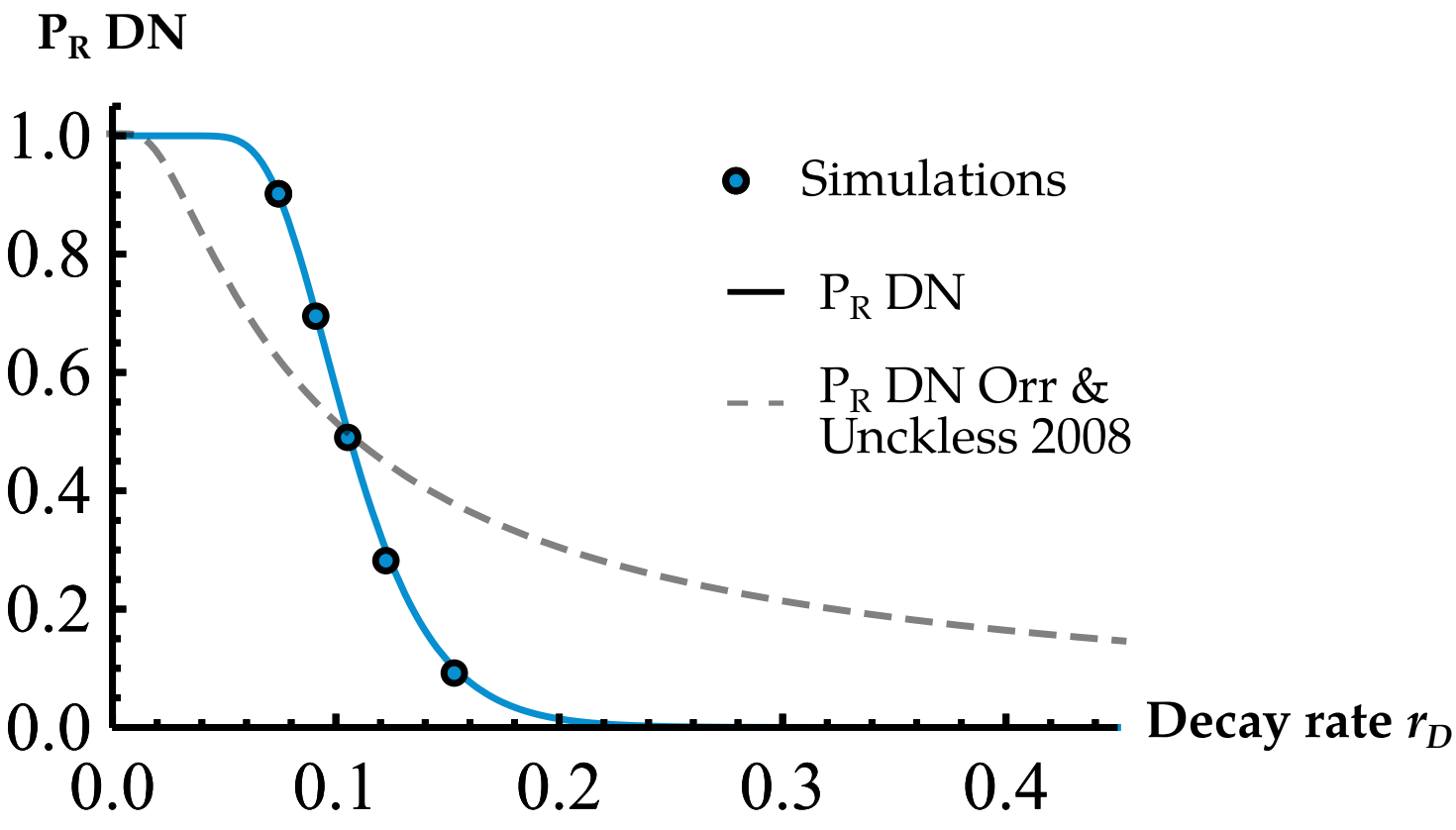
solve

$$\mathrm{P_R\ DN} = f(U, r_D, r_{max}, \lambda, n)$$



Exact numeric solve

$$\mathrm{P_R\ DN} = f(U, r_D, r_{max}, \lambda, n)$$



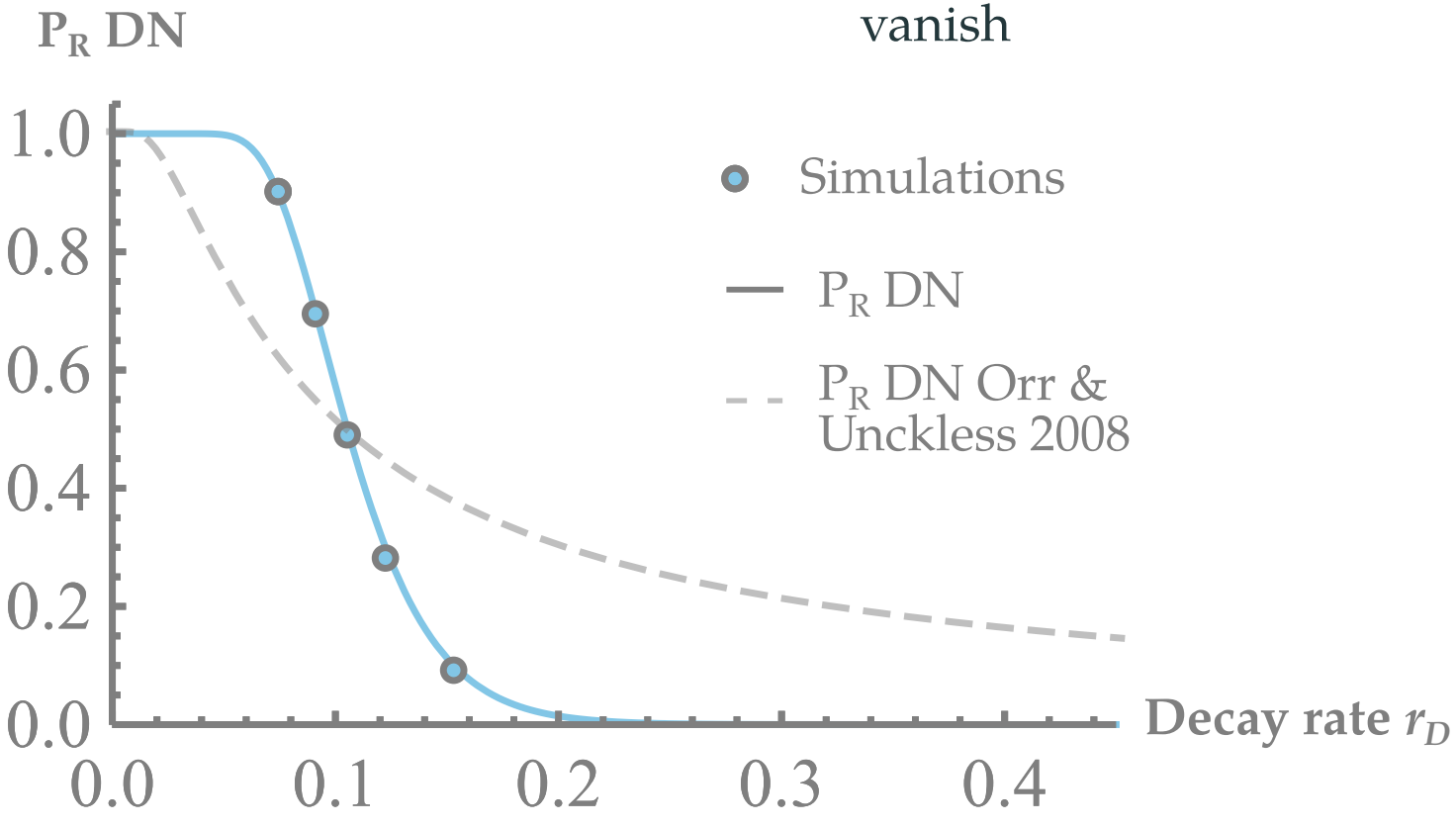
Exact numeric solve

Weak mutations effects approximation

$\lambda \ll r_{max}$

$\mathrm{P_R\,DN} = f(U, r_D, r_{max}, \lambda, n)$ ⟶

effects of dimension ***n*** vanish



Exact numeric solve

Approximated analytical closed form

Weak mutations effects approximation

$\lambda \ll r_{max}$

$$P_R\,DN = f(U, r_D, r_{max}, \lambda, n) \longrightarrow P_R\,DN = f(U, \alpha)$$

effects of dimension ***n*** vanish

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

The effective stress level