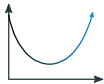


**Parameters**

**Experimental  
measure**

## Parameters

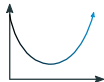


$N_0$ : Initial population size ( $\sim 10^3$ - $10^9$ )

## Experimental measure

Chosen

## Parameters



$N_0$ : Initial population size ( $\sim 10^3$ - $10^9$ )



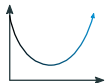
$U$ : Mutation rate *per individual per unit time* ( $\sim 10^{-5}$ -1)

## Experimental measure

Chosen

Mutation accumulation

## Parameters



$N_0$  : Initial population size ( $\sim 10^3$ - $10^9$ )



$U$  : Mutation rate *per individual per unit time* ( $\sim 10^{-5}$ -1)

$r_D$  : Decay rate of wild type ( $\sim 10^{-1}$ -1)

$r_{max}$  : Maximal growth rate ( $\sim 10^{-1}$ -1)



$\lambda$  : Variance of the mutation effects ( $\sim 10^{-2}$ - $10^{-1}$ )

$n$  : Number of phenotypic dimensions ( $\sim 1$ -10)

## Experimental measure

Chosen

Mutation accumulation

Time-kill curves

Long-term adaptation experiment

Fit on distribution of fitness effects  
+  
Mutation accumulation