

Simple Mutations: $n_\sigma = 1$



equal probability to place an offspring

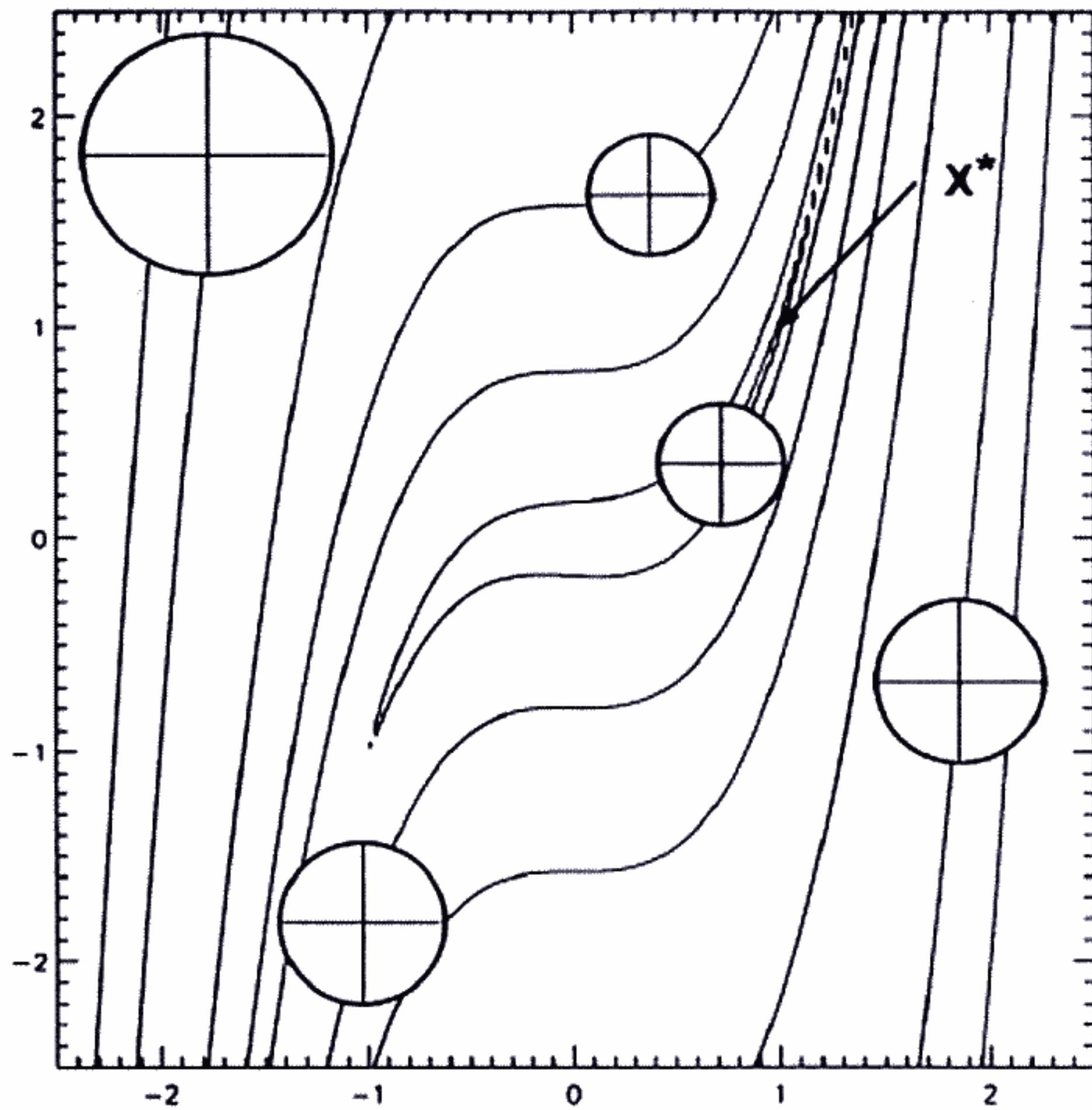


Figure 7: Simple mutations, $n = 2$, $n_\sigma = 1$, ($\Rightarrow n_\alpha = 0$).

$$\begin{aligned} I &= \text{IR}^n \times \text{IR}_+ \\ m'_{\{\tau_0\}}(\vec{x}, \sigma) &= (\vec{x}', \sigma') \\ \tau_0 &\sim 1/\sqrt{n} \end{aligned}$$

$$\begin{aligned} \sigma' &= \sigma \cdot \exp(\tau_0 \cdot N(0, 1)) \\ x'_i &= x_i + \sigma' \cdot N_i(0, 1) \end{aligned}$$