

Offspring phenotype,  $z_o$

$\mu_o$

$\mu$

$$\begin{aligned}\Delta\mu &= \mu_o - \mu \\ &= \beta(\mu_s - \mu) \\ &= \beta S\end{aligned}$$

$$\beta = \frac{\text{Cov}[z_o, z_{\text{mp}}]}{\text{Var}[z_{\text{mp}}]}$$

Fitness,  $W(z)$

1

0

$$S = \mu_s - \mu$$

$\mu$

$\mu_s$

Midparent phenotype,  $z_{\text{mp}}$

