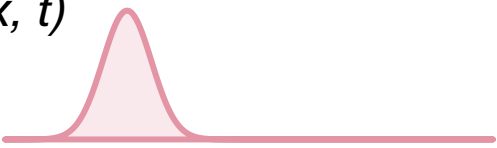


offspring distribution: $f(g, G, h, x, t)$

$rr \times rr$



$rr \times Rr$



$rr \times RR$



$Rr \times Rr$



$RR \times Rr$

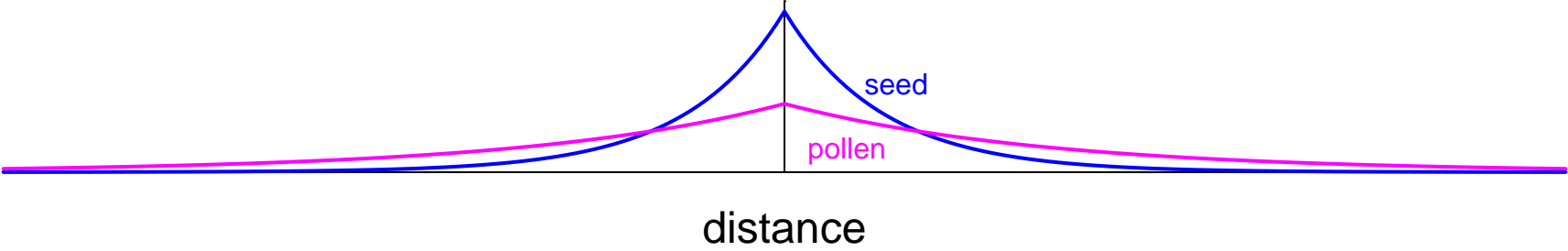


$RR \times RR$

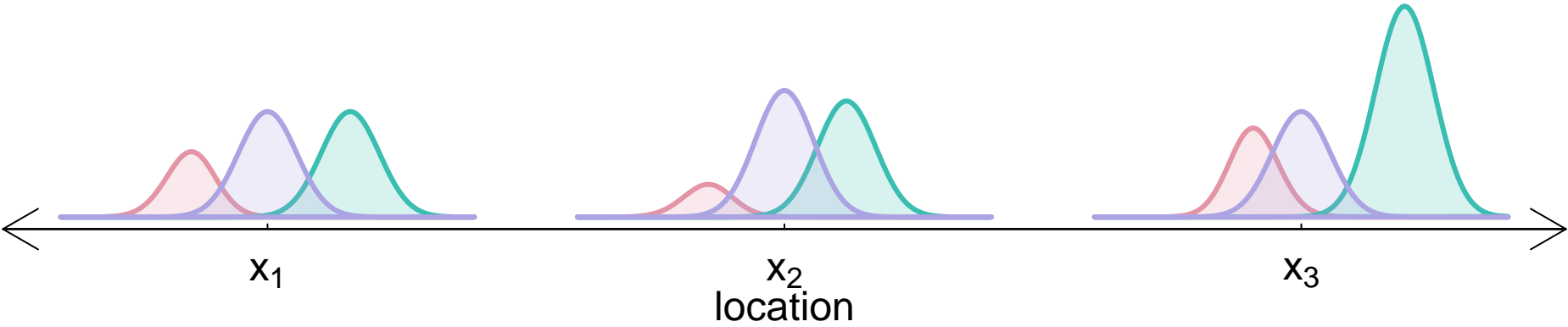


Offspring distributions of each genotype G, produced by each combination of parent genotypes G x G.

seed and pollen dispersal kernel: $d(i, j)_m$ and $d(i, j)_p$



above ground population: $n(g, G, x, t)s(g, G, x, h_x)$



seed bank at each location: $b(g, G, x, t)$

