

FIGURE 16.6. After two populations fixed for different alleles meet at a sharp boundary, gene flow will gradually broaden the transition between them. The figure shows the clines after 1, 10, 100, 1000, and 10,000 generations, when the clines are $\sqrt{2\pi\sigma^2t}=2.5\sigma$, 7.9σ , 25σ , 79σ , and 250σ wide, respectively (*red, green, purple, blue*, and *orange lines*). The cline width is defined by drawing a tangent to the steepest part of the cline (*dotted line*), as shown by the arrows for the cline at t=10,000 generations.

Evolution © 2007 Cold Spring Harbor Laboratory Press