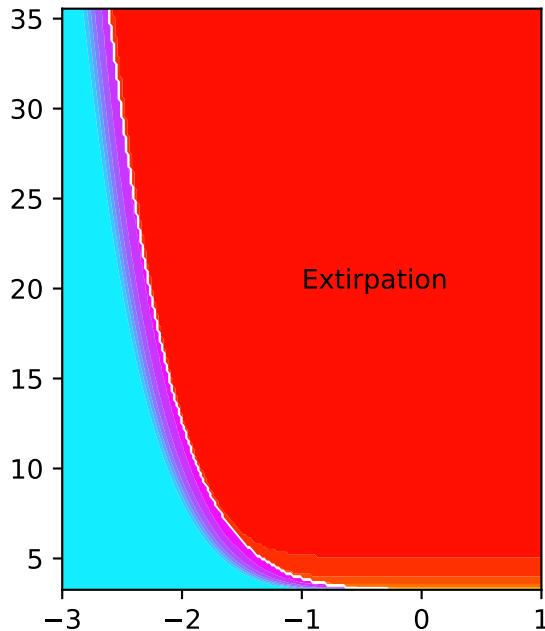


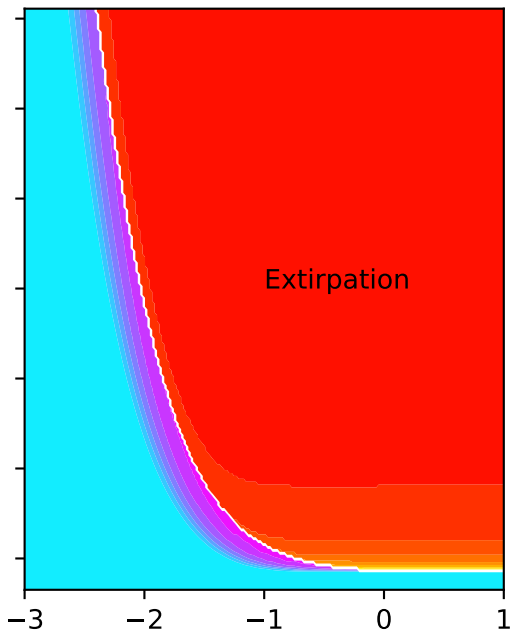
$q = 0.75$

$q = 0.9$

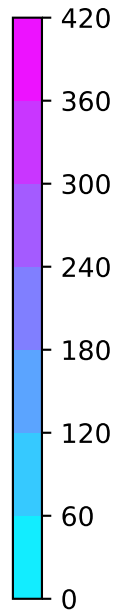
Average Tick Reproduction,  $r_T$



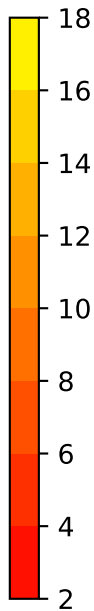
Log Rate of Parasitism,  $\log_{10}(\beta)$



Log Rate of Parasitism,  $\log_{10}(\beta)$



SD in Pop.



Extirpation Year