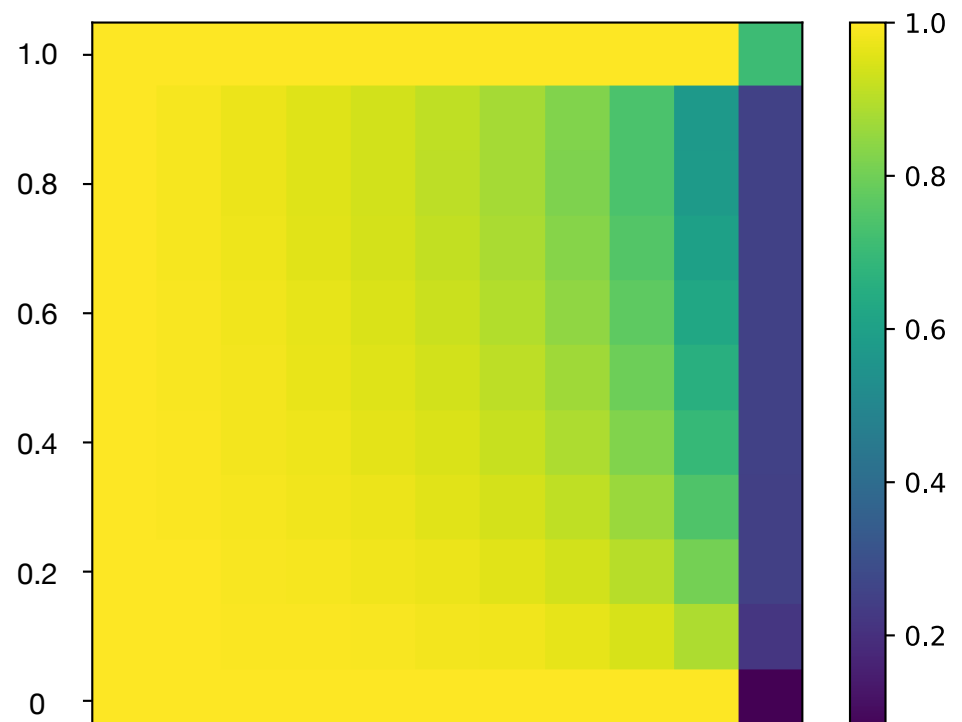
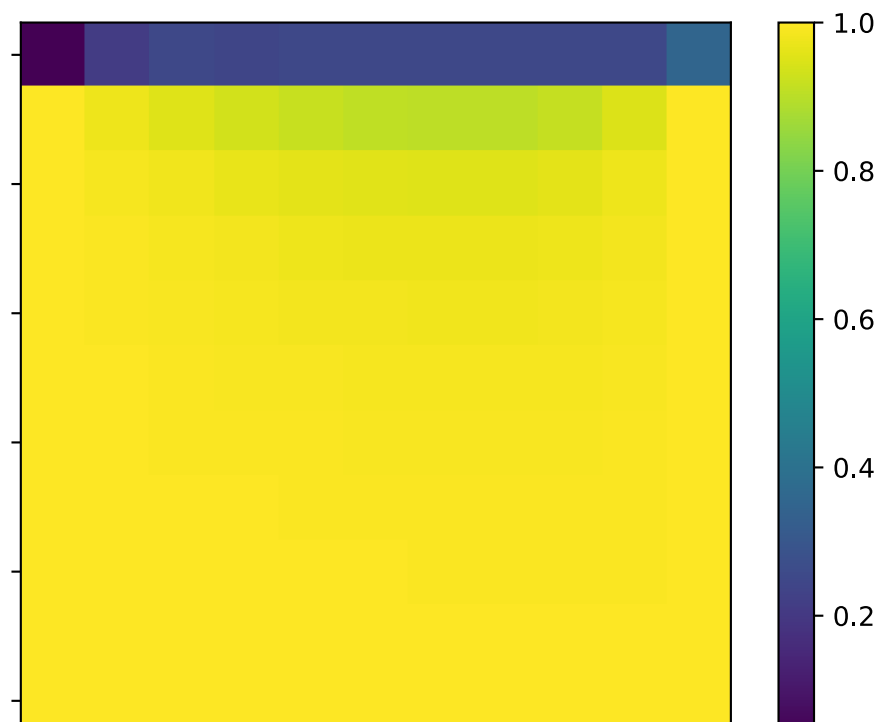


Scaled host population size, x_H/K_H

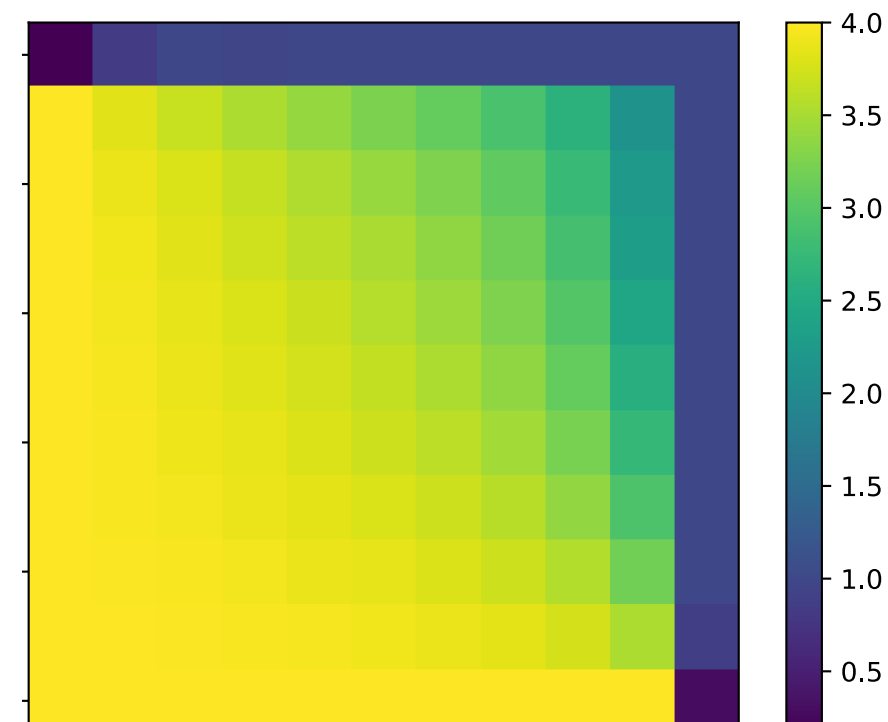
(a.1)

Scaled symbiont population size, x_S/K_S

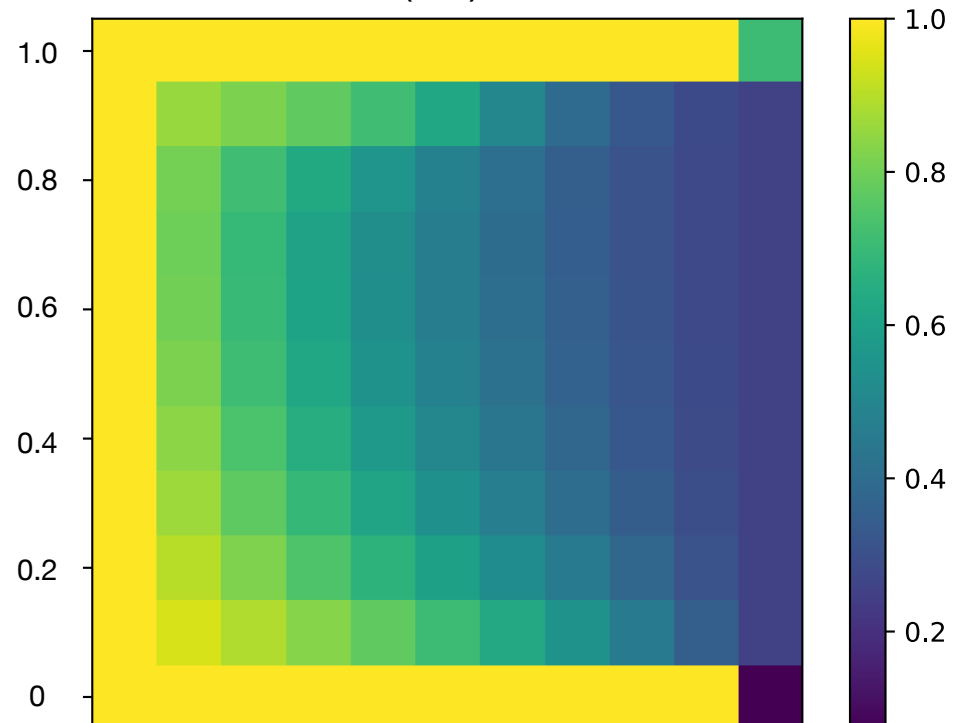
(b.1)

Scaled collective population size, x_C/K_C

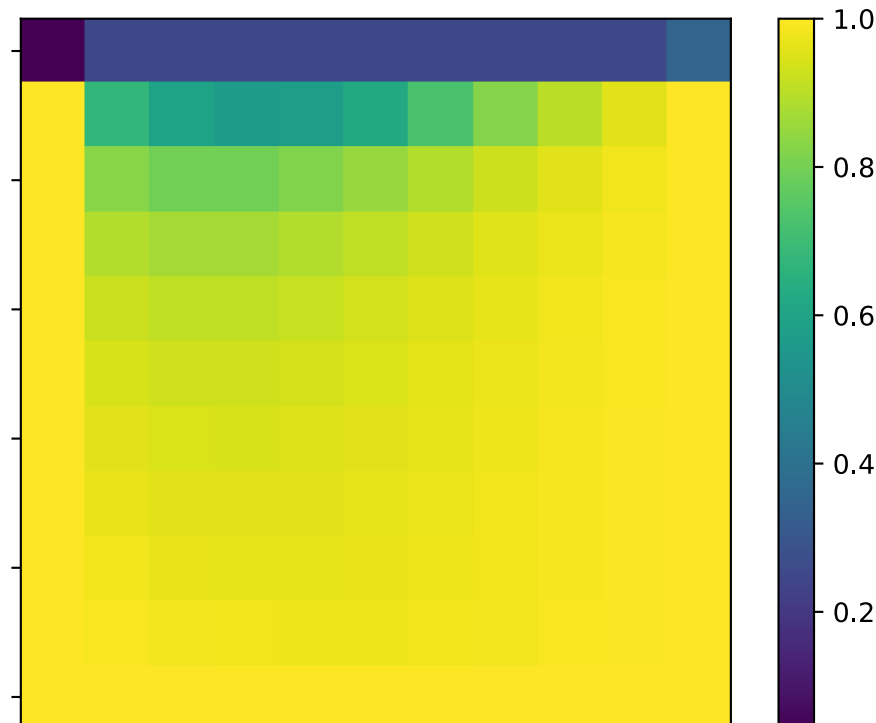
(c.1)

 $r_C = 1, K_C = 10$

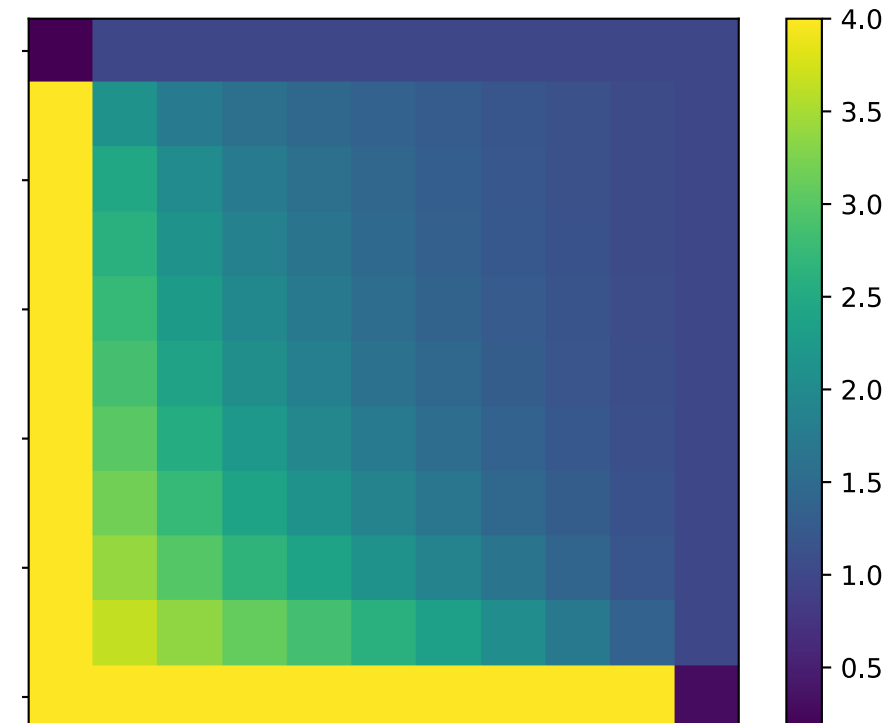
(a.2)



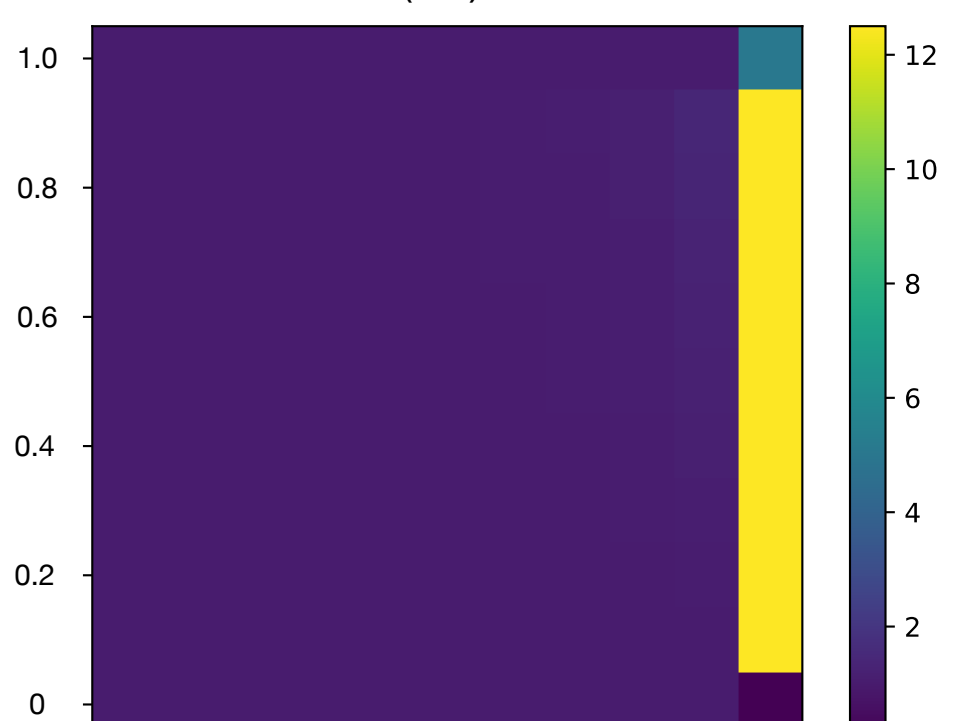
(b.2)



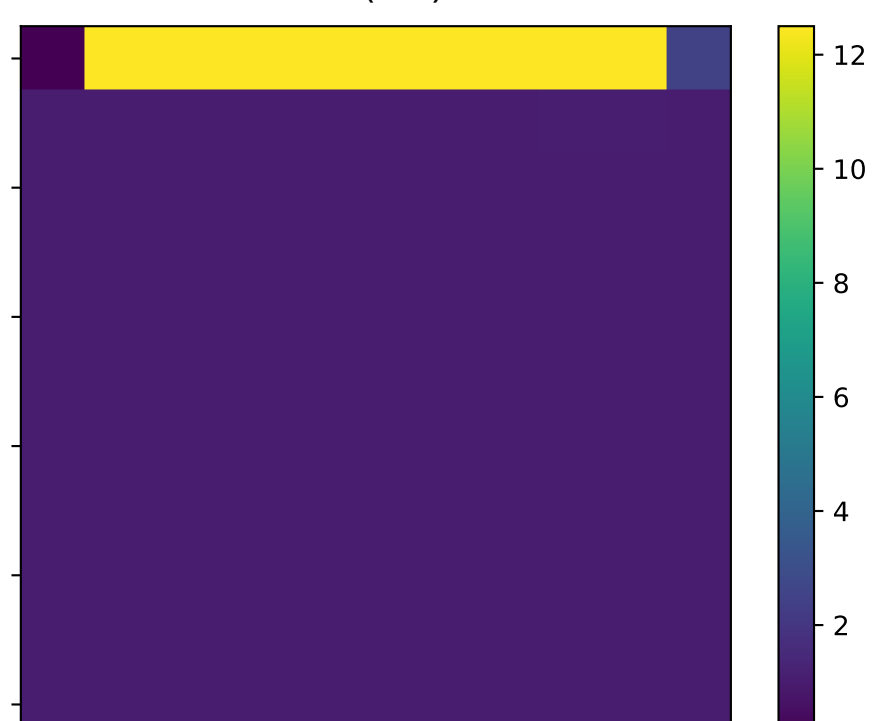
(c.2)

 $r_C = 40, K_C = 10$ Symbiont
obligacy, Ω_S

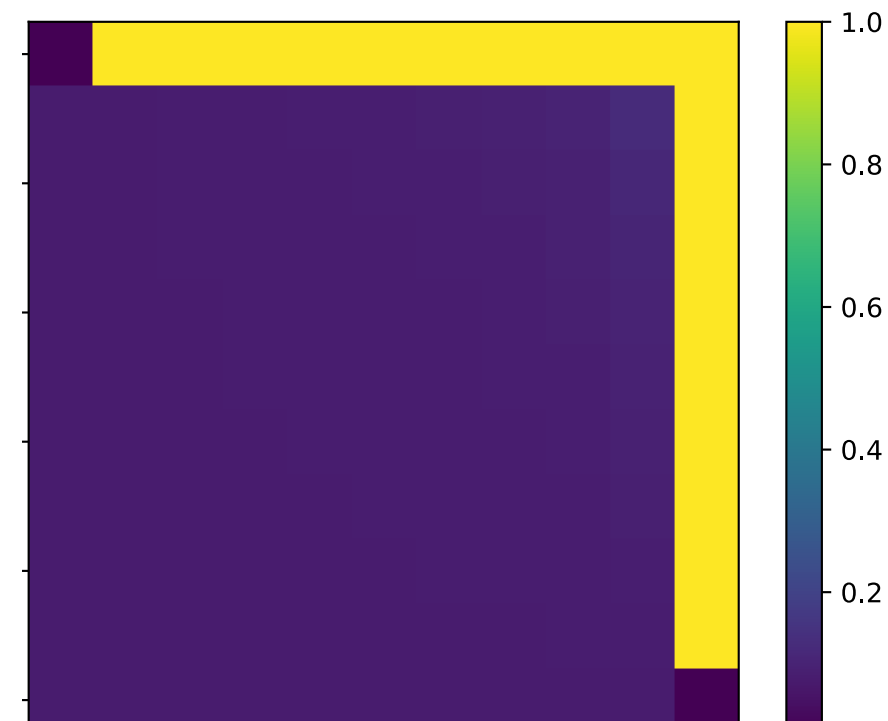
(a.3)



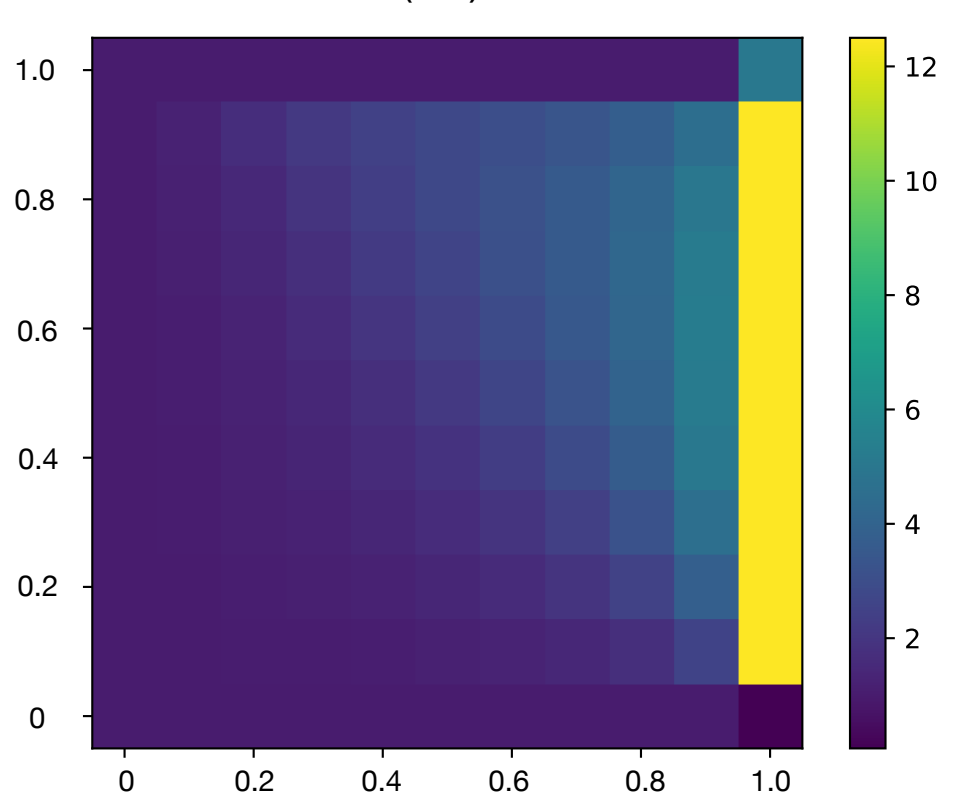
(b.3)



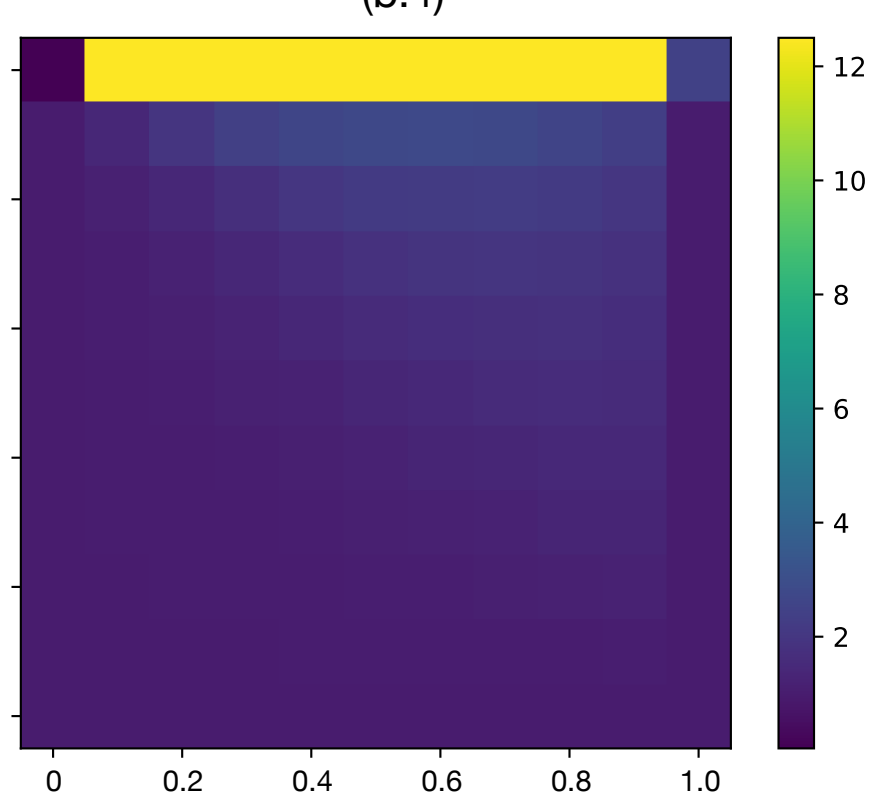
(c.3)

 $r_C = 1.0, K_C = 500$

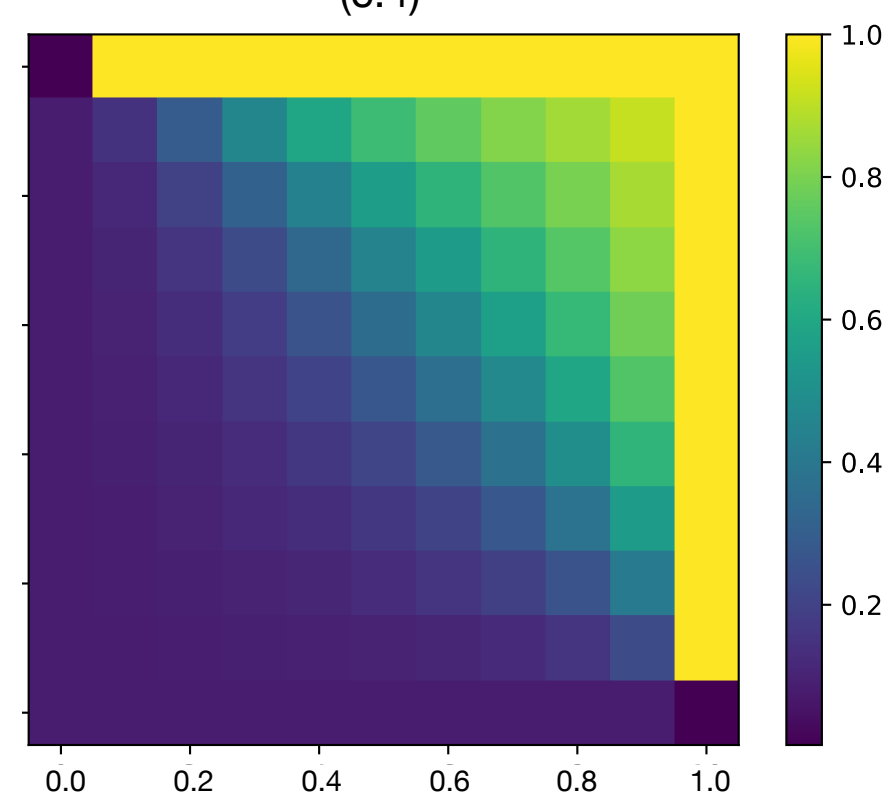
(a.4)



(b.4)



(c.4)

 $r_C = 40, K_C = 500$ Host obligacy, Ω_H