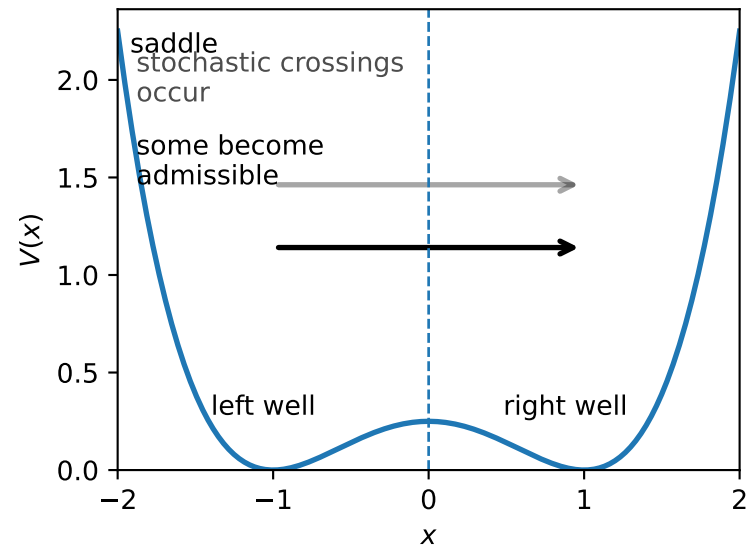
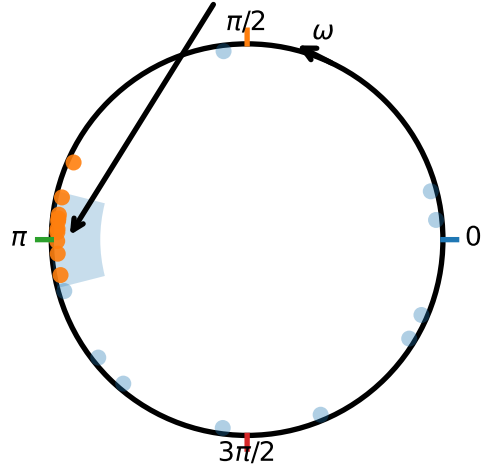


(a) First-order dynamics

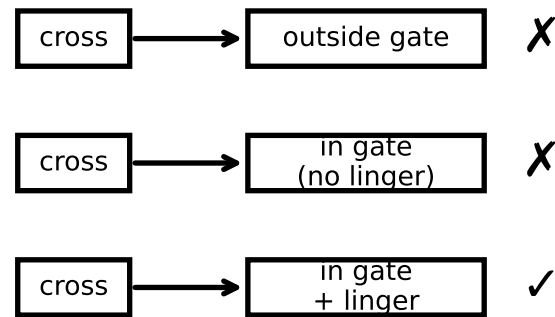


(b) Phase gate



proto: diffuse
 $\phi \in S^1$ with narrow viable window

(c) Admissibility criterion



Admissible = crossing occurs while in gate
and phase remains in gate for a minimum duration.