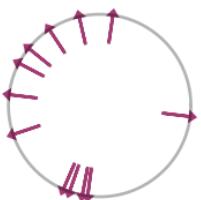
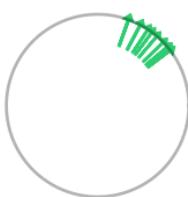


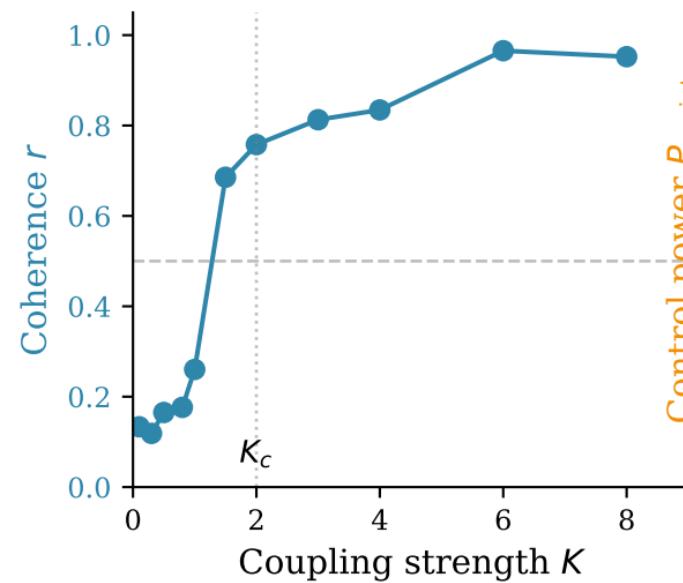
Incoherent ( $r \approx 0$ )



Coherent ( $r \approx 1$ )



**(A) Phase transition at  $K_c$**



**(B) Coherence reduces control cost**

