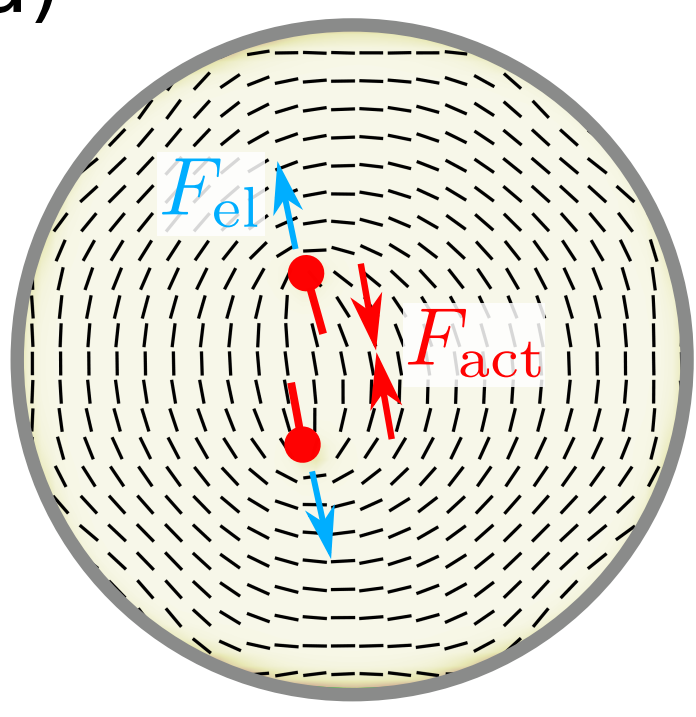


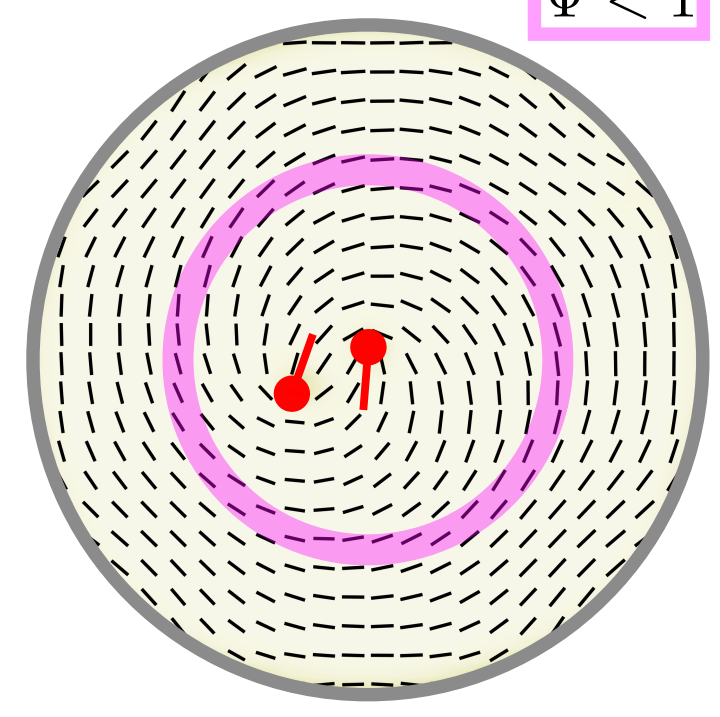
(a)



$\zeta = 0.005$

Stable +1 defect

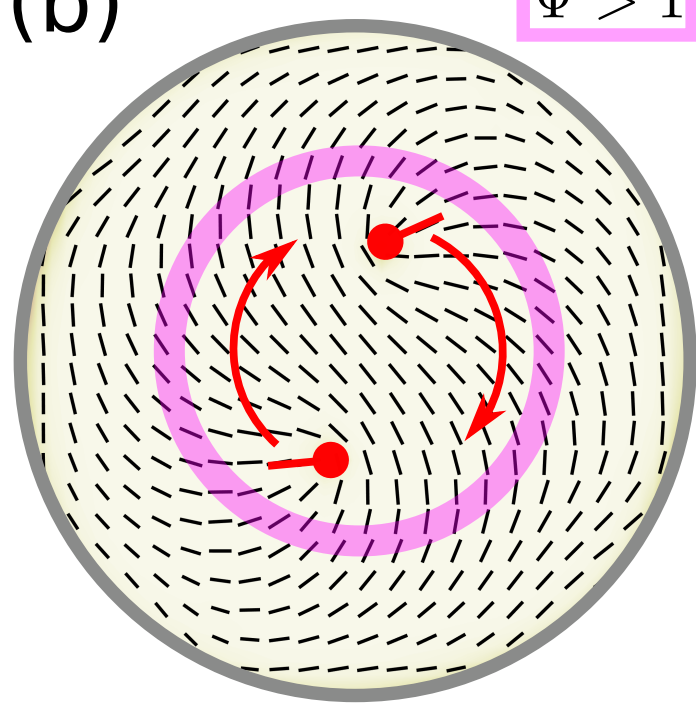
$\Psi < 1$



$\zeta = 0.01$

(b)

$\Psi > 1$

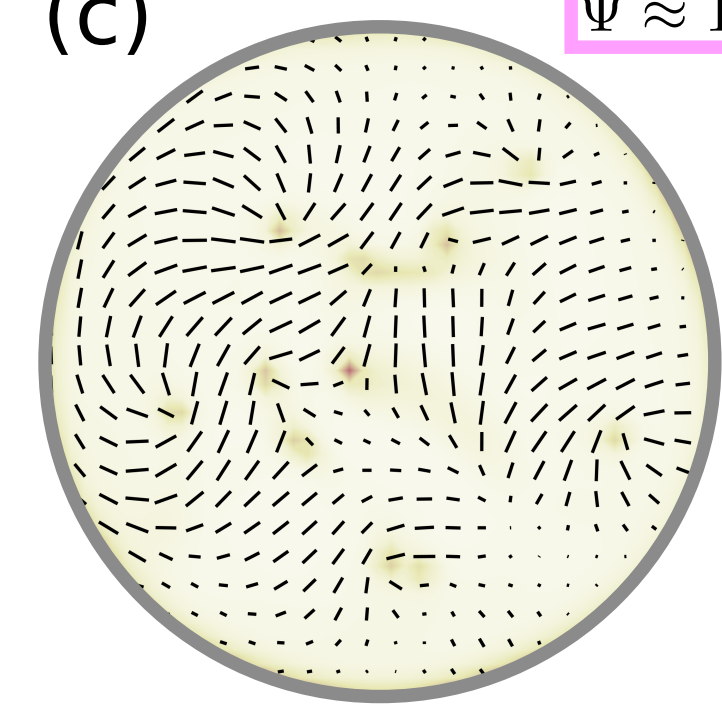


$\zeta = 0.015$

Disclination dance

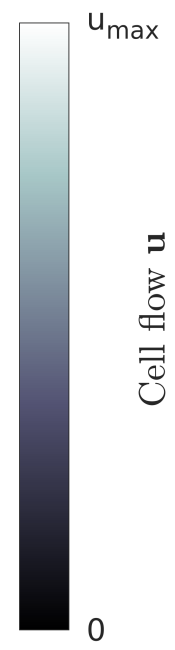
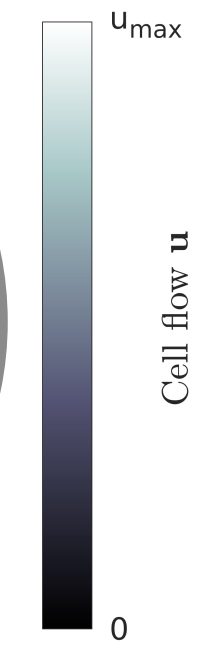
(c)

$\Psi \approx 1$



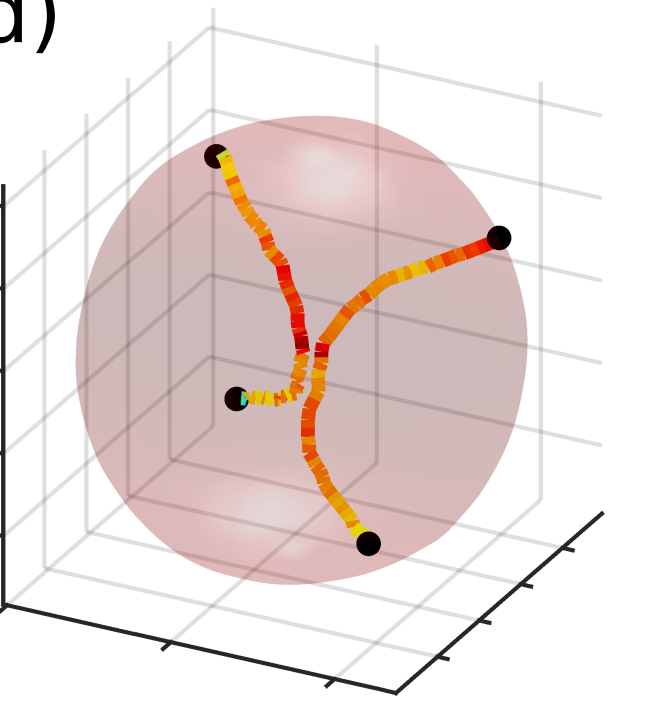
$\zeta = 0.05$

Active turbulence



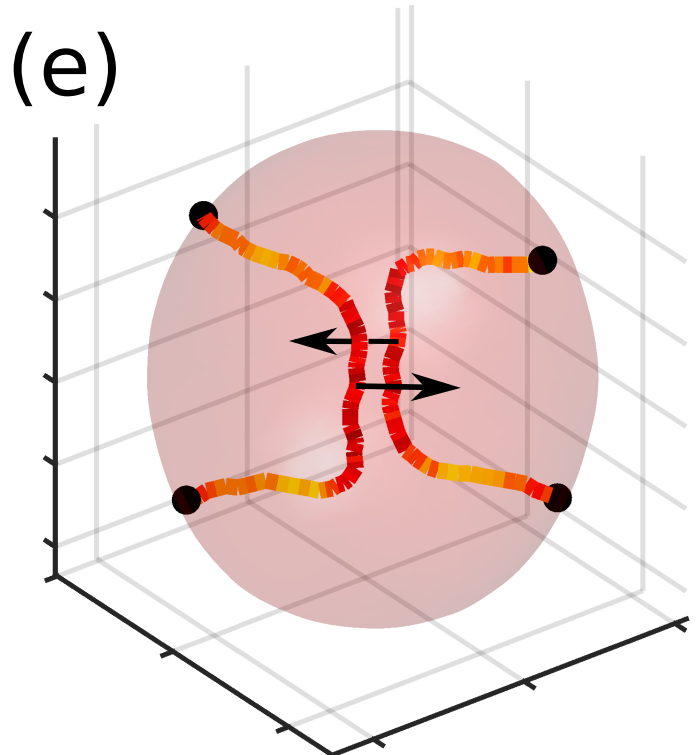
3D Disclination structure:

(d)

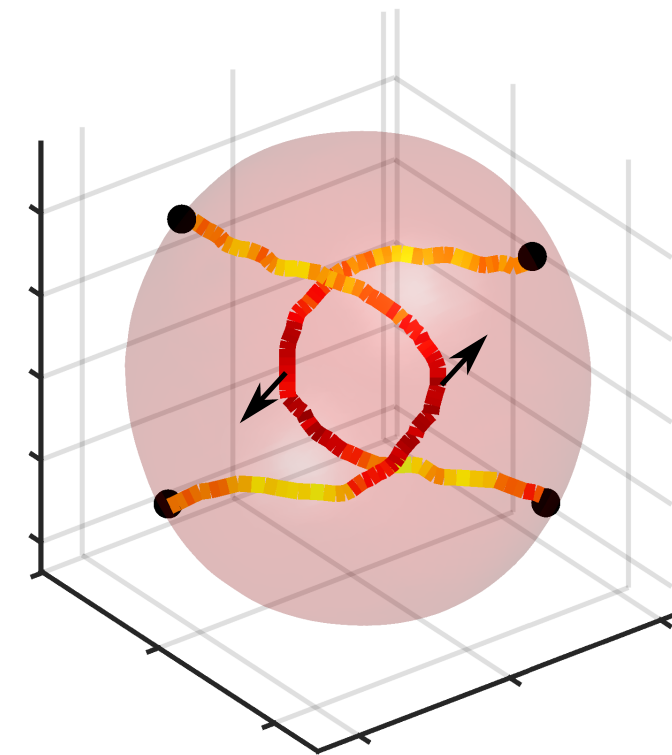


Stable +1 defect

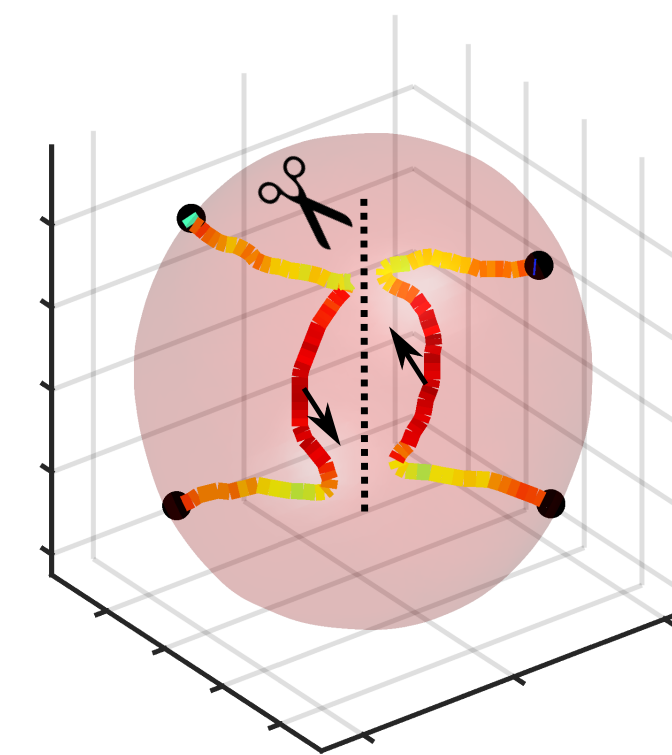
(e)



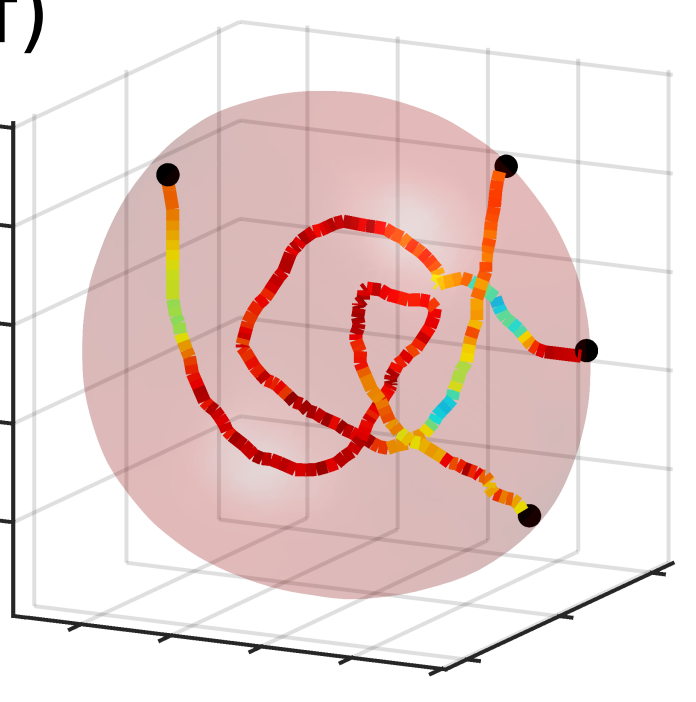
Time →



Disclination dance



(f)



Active turbulence