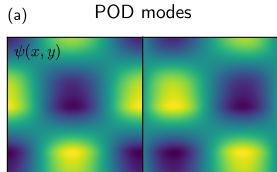
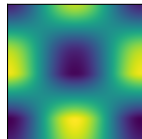


Case 1, modes 1+2



(b) Eigenmode



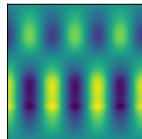
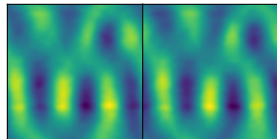
$$k_x = 1, k_y = 1$$

$$\omega_{eig} \approx -4.26$$

$$\omega_{POD} \approx -4.32$$

$$\omega_{0,k} = -4.0$$

Case 2, modes 5+6



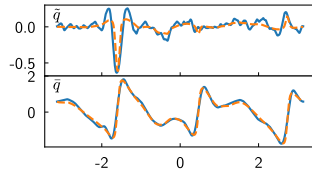
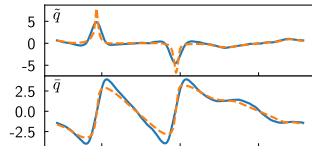
$$k_x = 3, k_y = 1$$

$$\omega_{eig} \approx -2.53$$

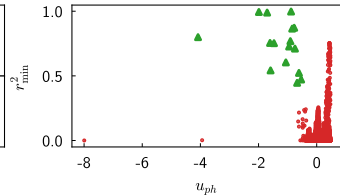
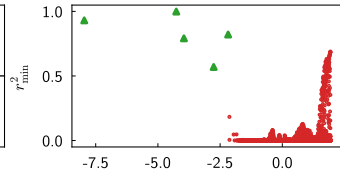
$$\omega_{POD} \approx -2.51$$

$$\omega_{0,k} = -2.4$$

(c) PV Comparison

 $y$ 

(d) Coherent Eigenmodes

 $u_{ph}$