

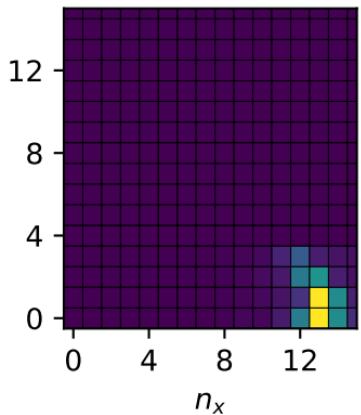
$Ra = 3000$ $Ra = 5000$ $Ra = 8000$ $Ra = 10000$

(a)

(b)

(c)

(d)

 $Re = 100$  n_z n_x n_z n_x n_z n_x

$$|\overline{\theta}|_{y=0}(n_x, n_z)$$

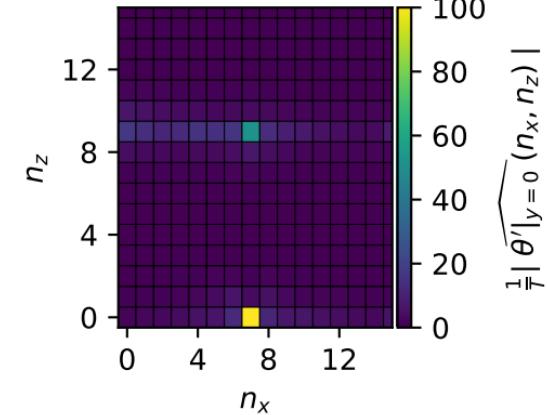
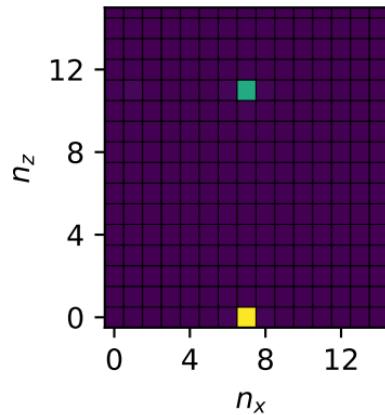
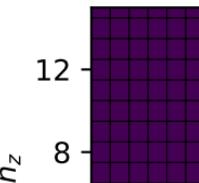
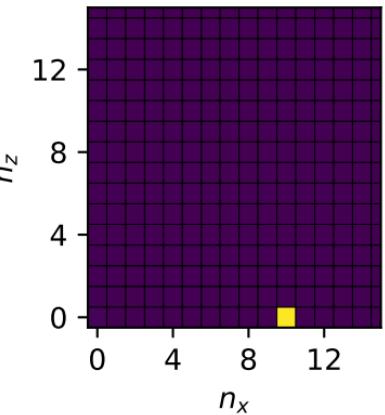
$$|\overline{\theta}|_{y=0}(n_x, n_z)$$

(e)

(f)

(g)

(h)

 $Re = 10$ 

$$|\overline{\theta}|_{y=0}(n_x, n_z)$$

$$|\overline{\theta}|_{y=0}(n_x, n_z)$$