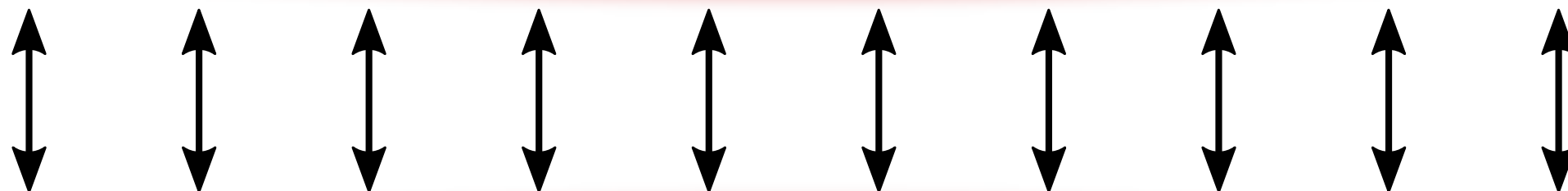


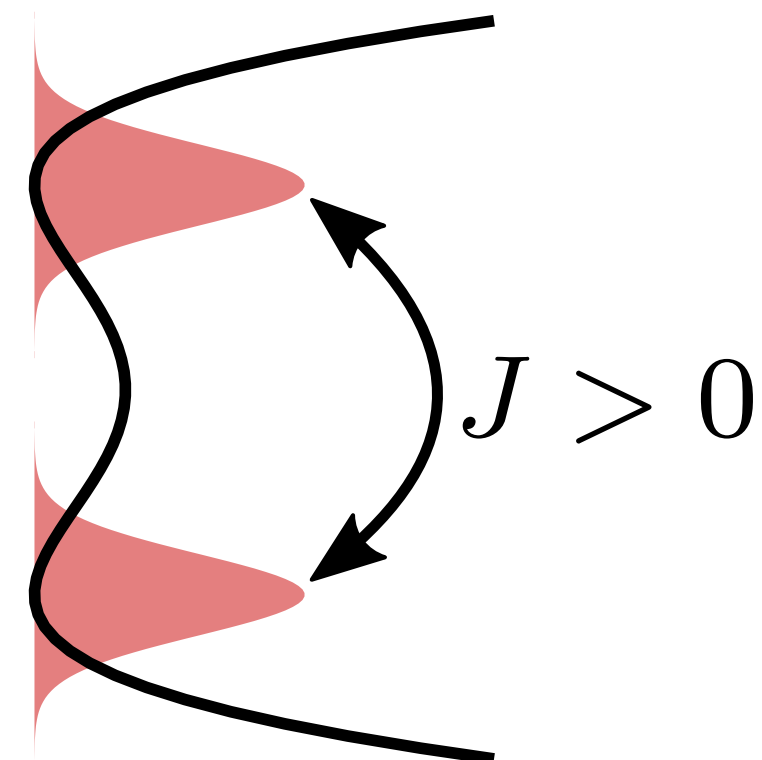
Initial state



$\hat{\phi}_1, \delta\hat{n}_1$



$\hat{\phi}_2, \delta\hat{n}_2$



Time evolution



$\hat{\phi}_1, \delta\hat{n}_1$



Independent evolution

$\hat{\phi}_2, \delta\hat{n}_2$

