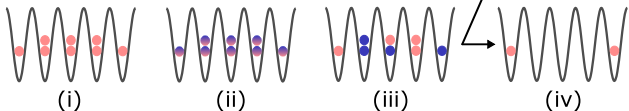


$\bullet = |a\rangle$   
 $\bullet = |b\rangle$   
 $\bullet = (|a\rangle + |b\rangle)/\sqrt{2}$

$\begin{array}{c} \bullet \\ \bullet \end{array} = |S_z = 1\rangle$   
 $\begin{array}{c} \bullet \\ \bullet \end{array} = |S_z = -1\rangle$

$\begin{array}{c} \bullet \\ \bullet \end{array} = |S_z = 0\rangle$



longitudinal  
lattice

transverse  
lattices

microwave  
sweeps

