

$$a_s > 0$$

$$|a_s| \ll 1/k_F$$

BEC

$$a_s < 0$$

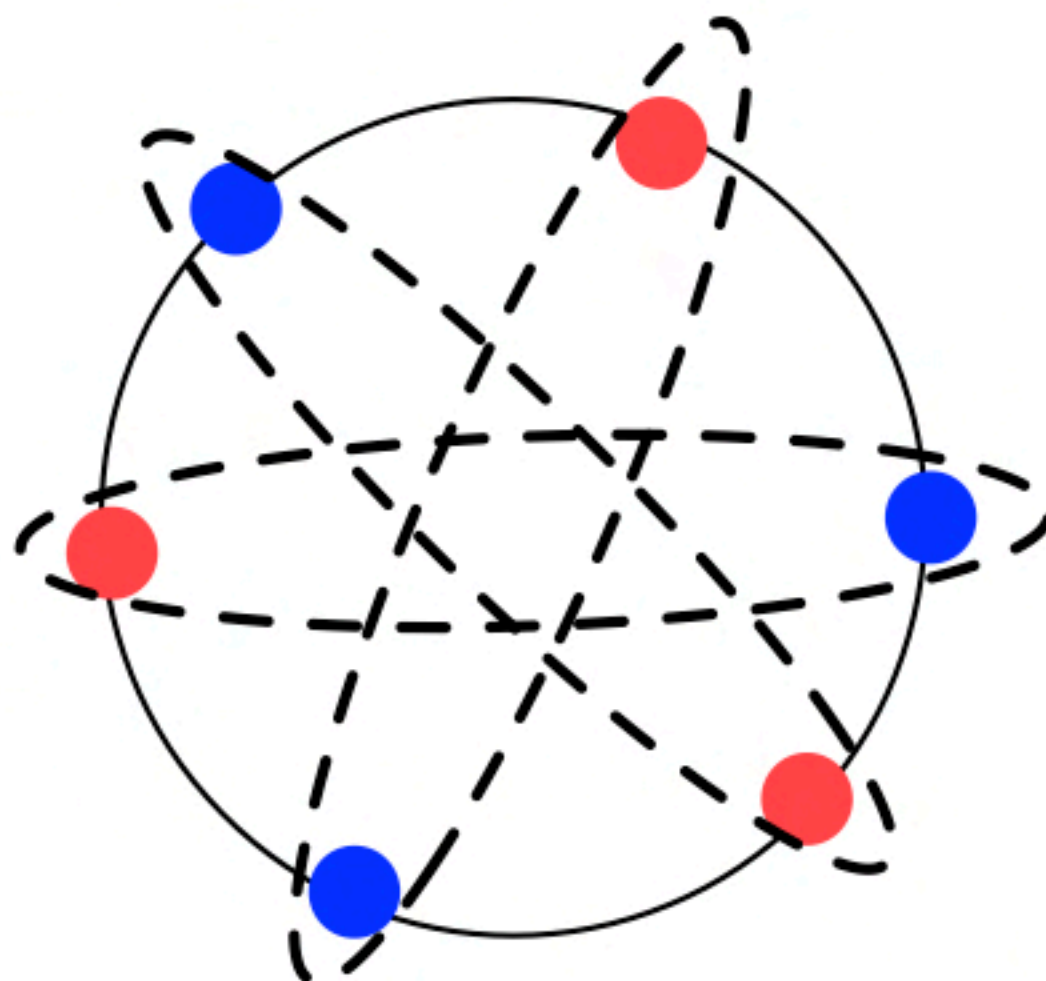
$$|a_s| \ll 1/k_F$$

BCS

$$-\frac{1}{k_F a_s}$$



Real Space



Momentum Space