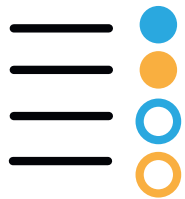
$$(H_A \otimes H_B)$$

zeeman basis

singlet-triplet basis





$$\left|-\tfrac{1}{2},-\tfrac{1}{2}\right\rangle \left|\tfrac{1}{2},-\tfrac{1}{2}\right\rangle \left|-\tfrac{1}{2},\tfrac{1}{2}\right\rangle \left|\tfrac{1}{2},\tfrac{1}{2}\right\rangle$$

$$|0\rangle \; |1,-1\rangle \; |1,0\rangle \; |1,1\rangle$$