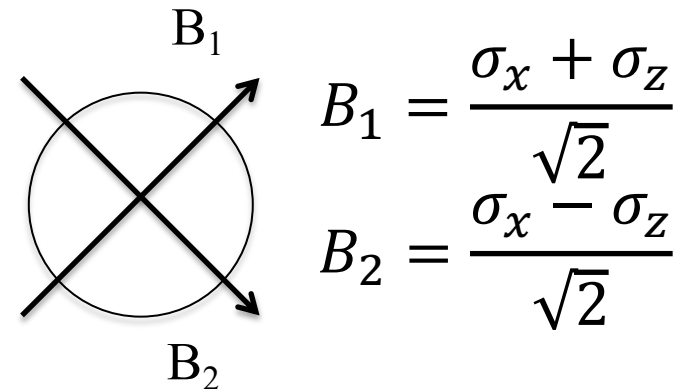
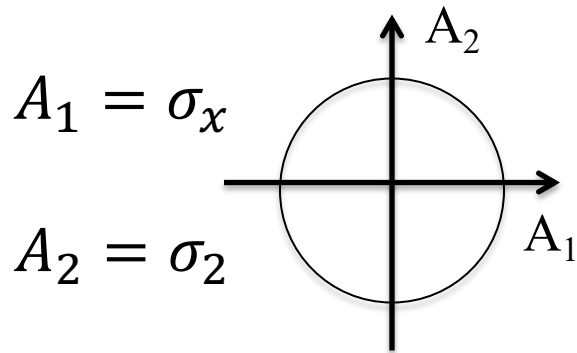


$$\text{CHSH} = A_1B_1 + A_1B_2 + A_2B_1 - A_2B_2 \leq 2$$

$$|\Phi^+\rangle = \frac{1}{\sqrt{2}} (|00\rangle + |11\rangle)$$



$$\langle \text{CHSH} \rangle = \langle A_1B_1 \rangle_{\Phi^+} + \langle A_1B_2 \rangle_{\Phi^+} + \langle A_2B_1 \rangle_{\Phi^+} - \langle A_2B_2 \rangle_{\Phi^+} = 2\sqrt{2} > 2$$