

Example

Daniel Escanez-Exposito

2023

1 Exercise

$$\begin{aligned} &|00\rangle H_1 X_2^1 \\ &= [0.5\sqrt{2}|00\rangle + 0.5\sqrt{2}|10\rangle] X_2^1 \\ &= [0.5\sqrt{2}|00\rangle + 0.5\sqrt{2}|11\rangle] \end{aligned}$$