Squantikz squimports

Saverio Monaco

September 22, 2025

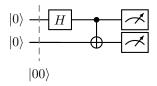
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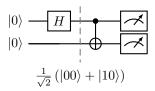
twospinsdown																	10
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1 Commands

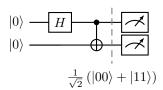
bellcircuit1



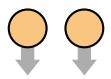
bellcircuit2



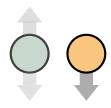
bellcircuit3



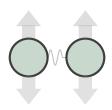
bellspins1



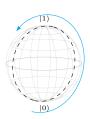
bellspins2



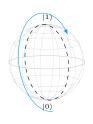
bellspins3



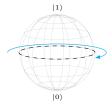
blochRX



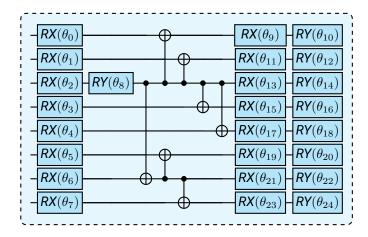
blochRY



blochRZ



clic8



gateRX

$$-\frac{RX(\theta)}{-i\sin(\frac{\theta}{2})} = \begin{pmatrix} \cos(\frac{\theta}{2}) & -i\sin(\frac{\theta}{2}) \\ -i\sin(\frac{\theta}{2}) & \cos(\frac{\theta}{2}) \end{pmatrix}$$

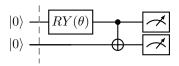
gateRY

$$-\frac{RY(\theta)}{-\sin(\frac{\theta}{2})} = \begin{pmatrix} +\cos(\frac{\theta}{2}) & -\sin(\frac{\theta}{2}) \\ -\sin(\frac{\theta}{2}) & +\cos(\frac{\theta}{2}) \end{pmatrix}$$

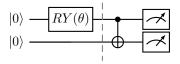
gateRz

$$-\frac{RZ(\theta)}{0} = \begin{pmatrix} e^{-i\theta/2} & 0 \\ 0 & e^{+i\theta/2} \end{pmatrix}$$

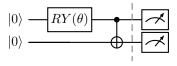
pbellcircuit1



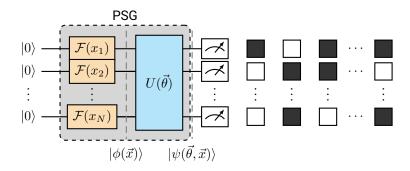
pbellcircuit2



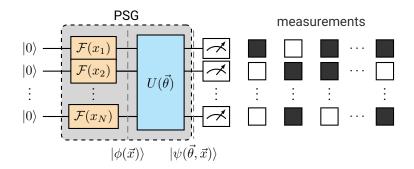
pbellcircuit3



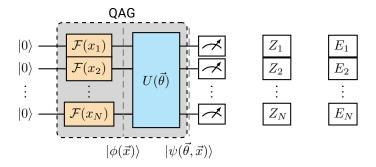
psg



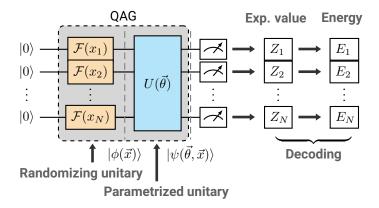
psg_model



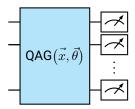
qag



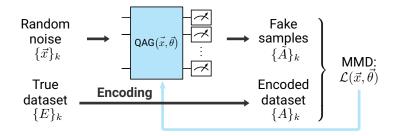
qag_model



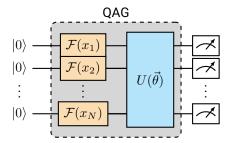
qag_small



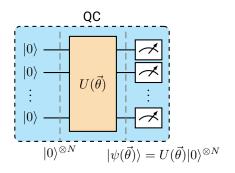
qag_train



qagalt



qc



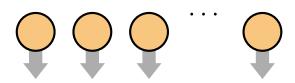
spin



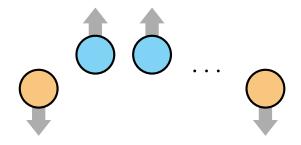
spindown



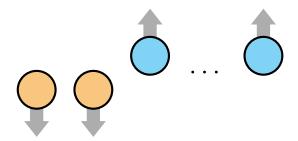
spindowns



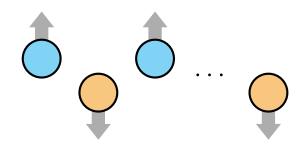
spinrand



spinrandalt



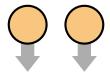
spinrandaltalt



spinup



twospinsdown



twospinsup

