

Squantikz squimports

Saverio Monaco

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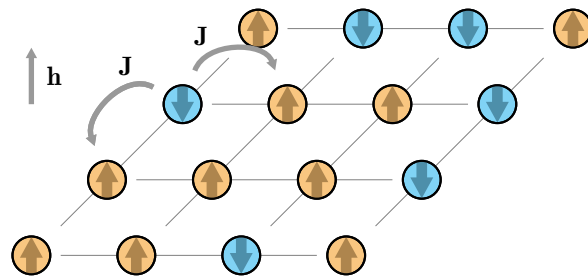
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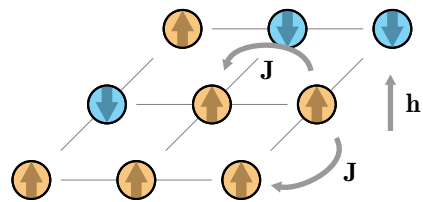
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1 Commands

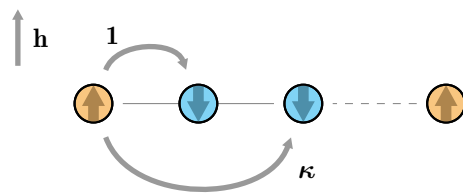
2dising



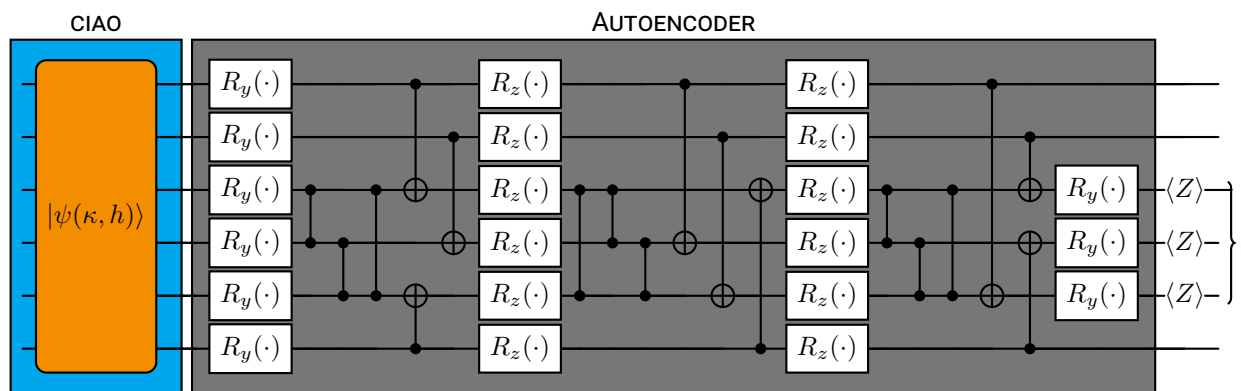
2disingsmall



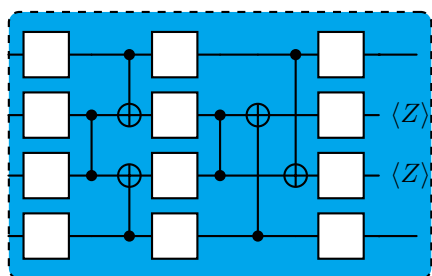
annni



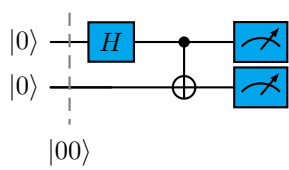
autoencoder



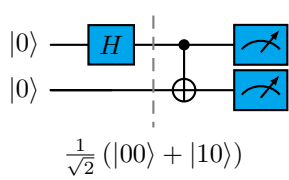
autoencodersmall



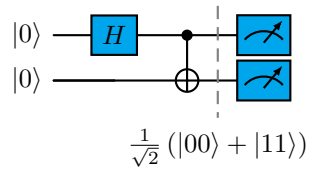
bellcircuit1



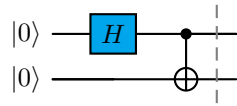
bellcircuit2



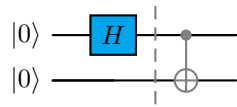
bellcircuit3



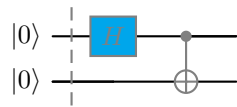
bellcircuitpp1



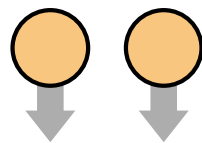
bellcircuitpp2



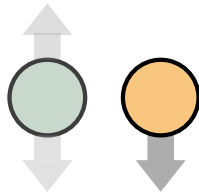
bellcircuitpp3



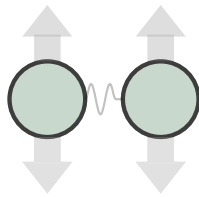
bellspins1



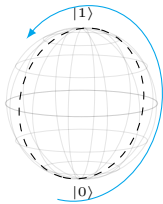
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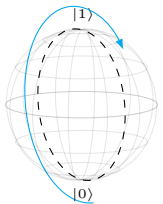
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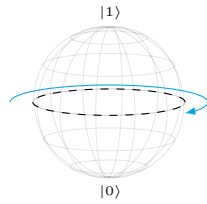
blochRX



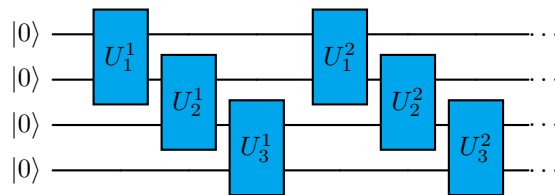
blochRY



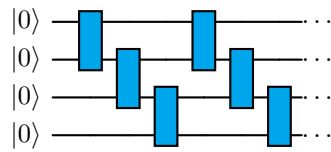
blochRZ



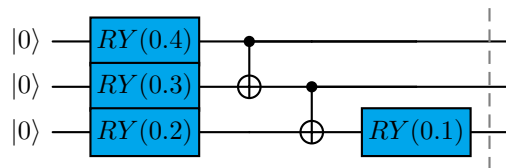
brick4



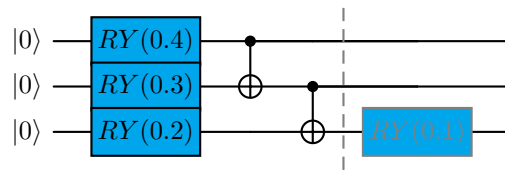
brick4small



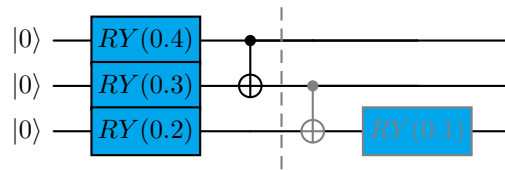
brickwallpp1



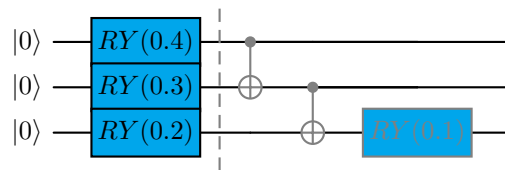
brickwallpp2



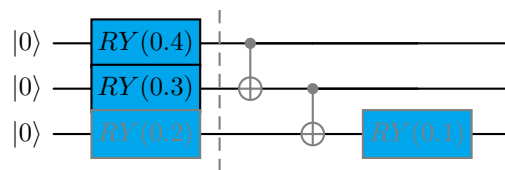
brickwallpp3



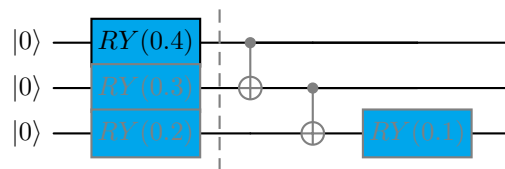
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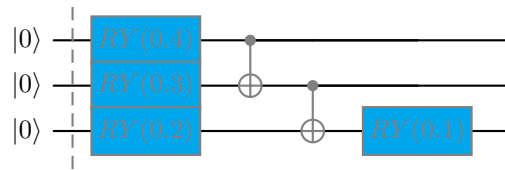
brickwallpp5



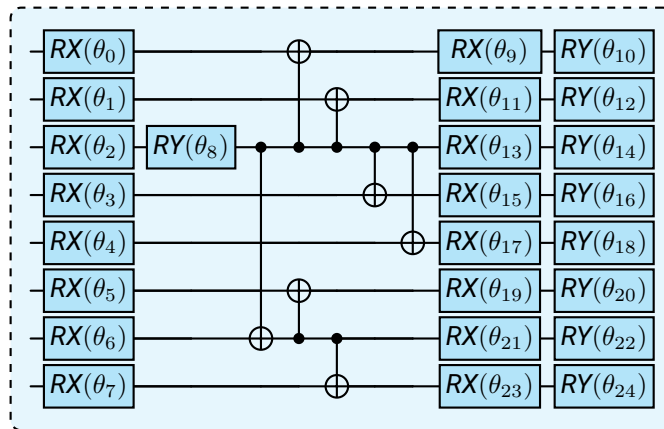
brickwallpp6



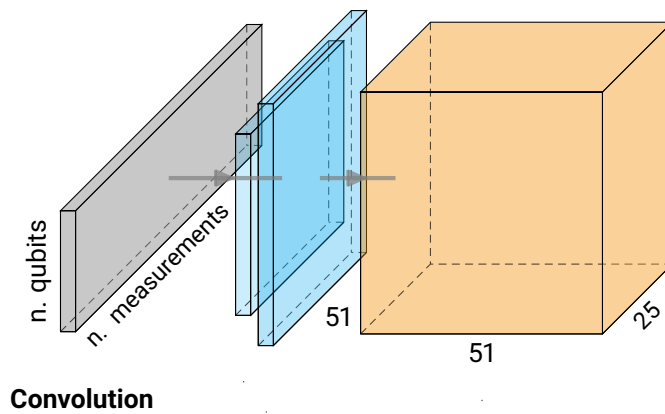
brickwallpp7



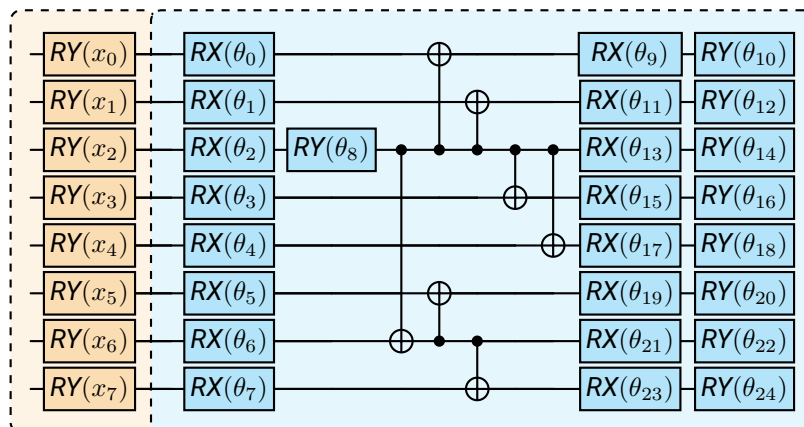
clic8



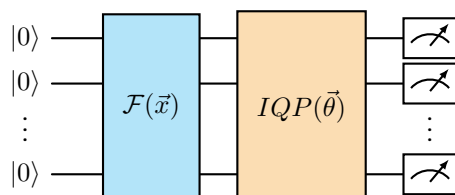
convhead



enclic8



fxiqpsimple



gateCNOT

$$\begin{array}{c} \bullet \\ | \\ \oplus \end{array} \equiv \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{pmatrix}$$

gateH

$$\boxed{H} \equiv \frac{1}{\sqrt{2}} \begin{pmatrix} +1 & -1 \\ -1 & +1 \end{pmatrix}$$

gateRX

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

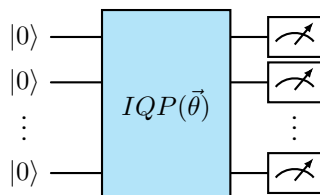
gateRY

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

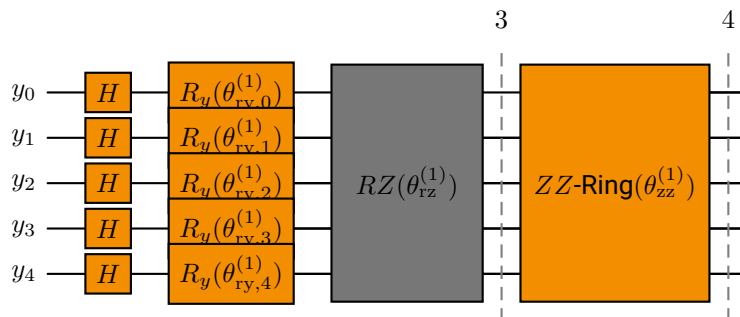
gateRZ

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

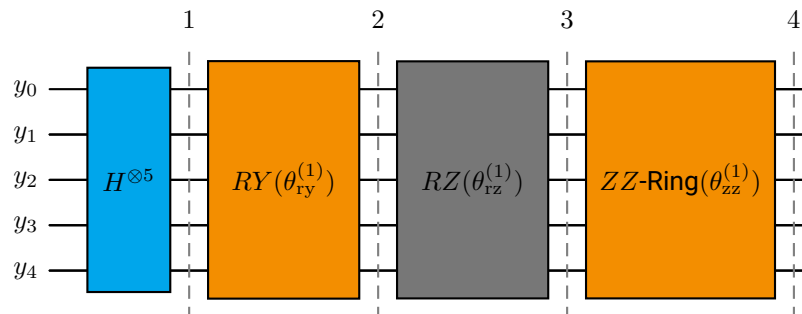
iqpsimple



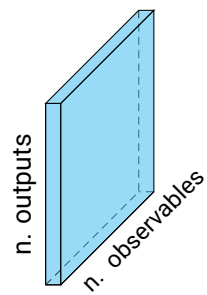
jamal_block



jamal_block2

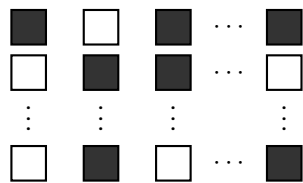


linhead



$$\mathcal{W} : \langle \vec{Z}_a \rangle + b$$

meas



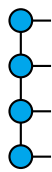
measbin

$$\begin{pmatrix} 0 & 1 & 0 & \cdots & 0 \\ 1 & 0 & 0 & \cdots & 1 \\ \vdots & \vdots & \vdots & & \vdots \\ 1 & 0 & 1 & \cdots & 0 \end{pmatrix}$$

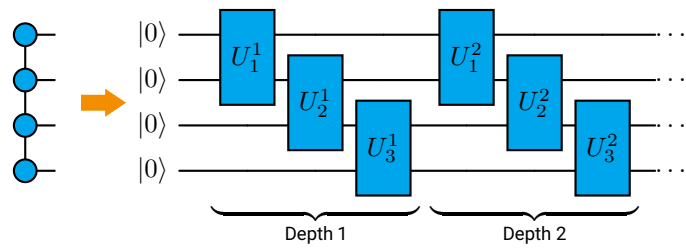
measbinalt

$$\begin{pmatrix} 1 & 1 & 1 & \cdots & 0 \\ 1 & 1 & 0 & \cdots & 1 \\ \vdots & \vdots & \vdots & & \vdots \\ 0 & 0 & 1 & \cdots & 1 \end{pmatrix}$$

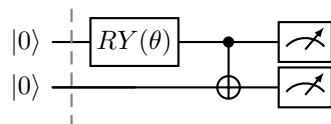
mps



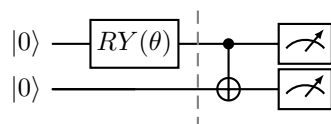
mpstobrick



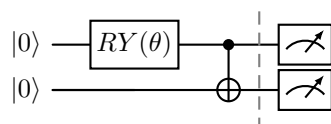
pbellcircuit1



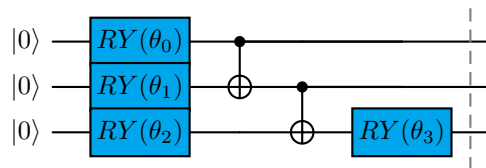
pbellcircuit2



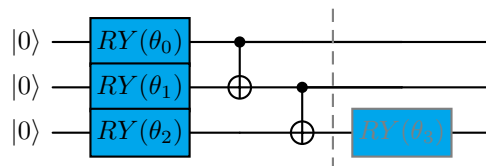
pbellcircuit3



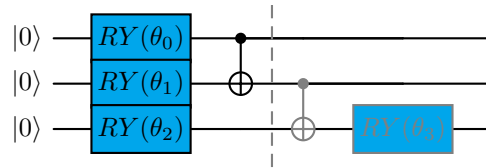
pbrickwallpp1



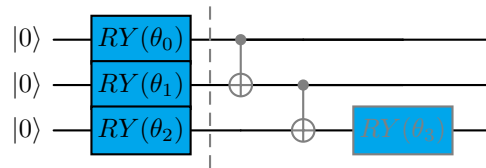
pbrickwallpp2



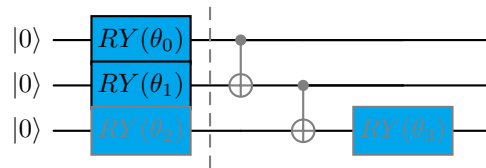
pbrickwallpp3



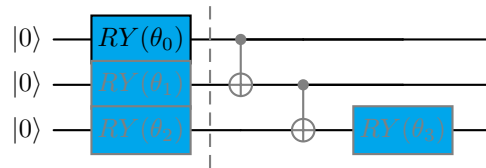
pbrickwallpp4



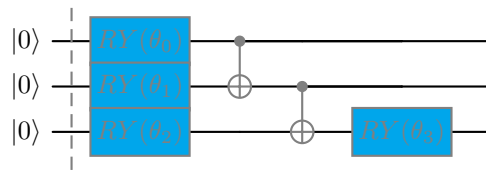
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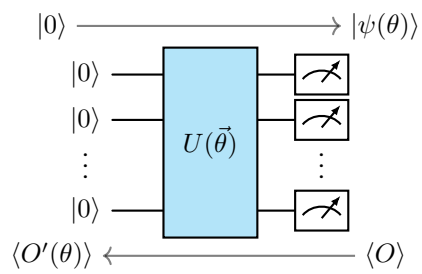
pbrickwallpp6



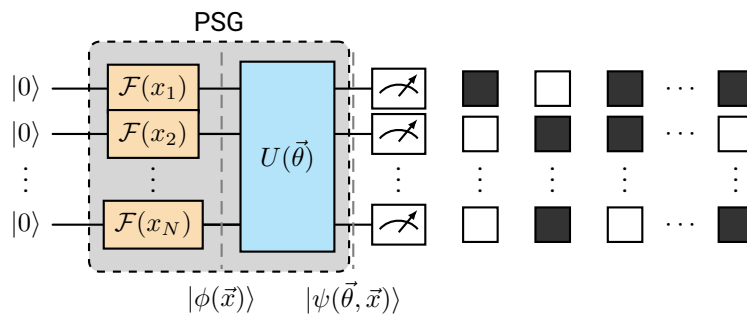
pbrickwallpp7



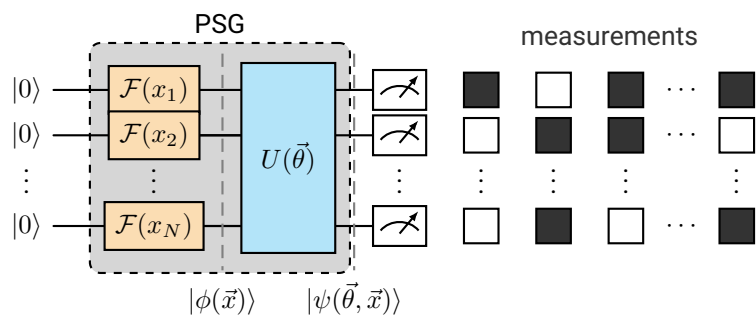
pictures



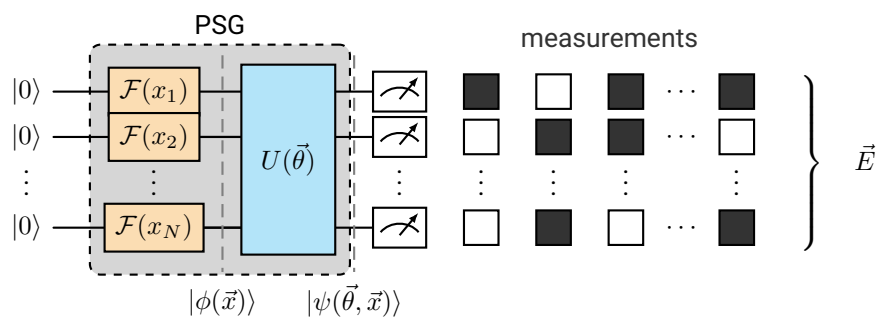
psg



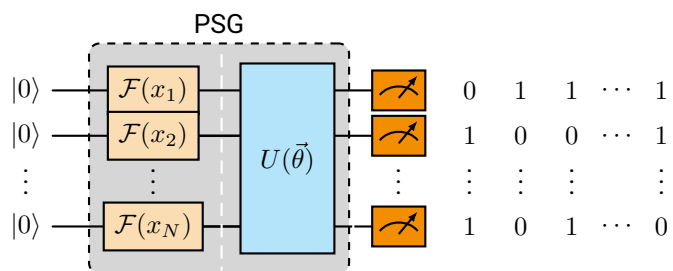
psg_model



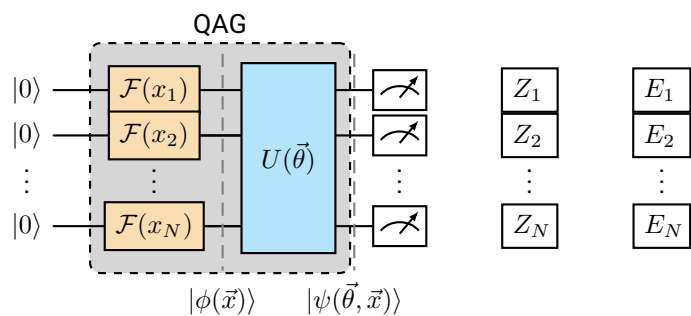
psg_modelE



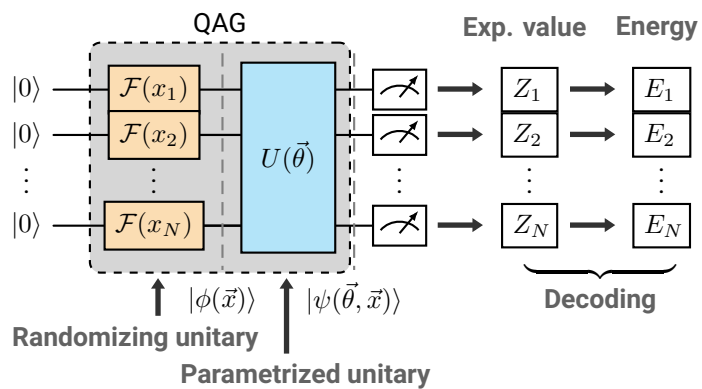
psgbp



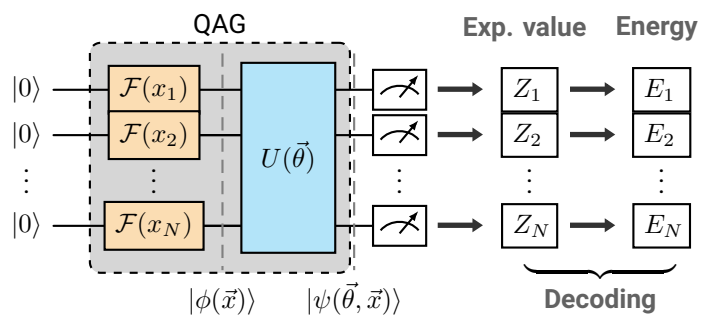
qag



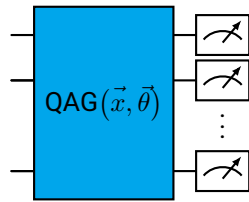
qag_model



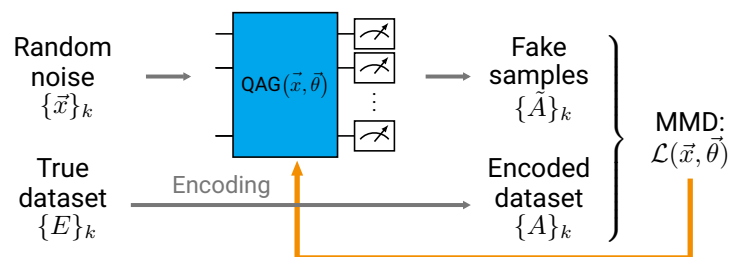
qag_model2



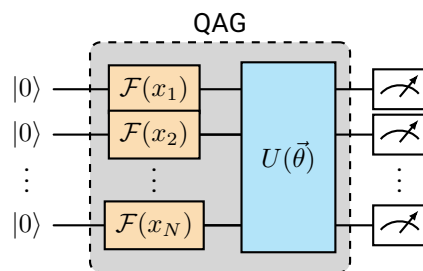
qag_small



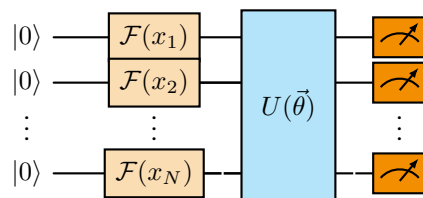
qag_train



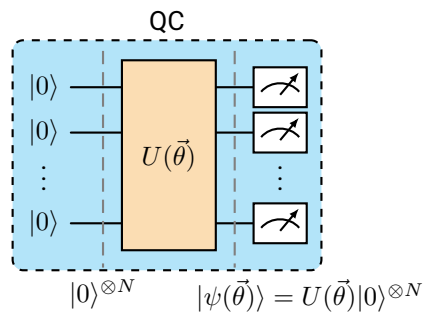
qagalt



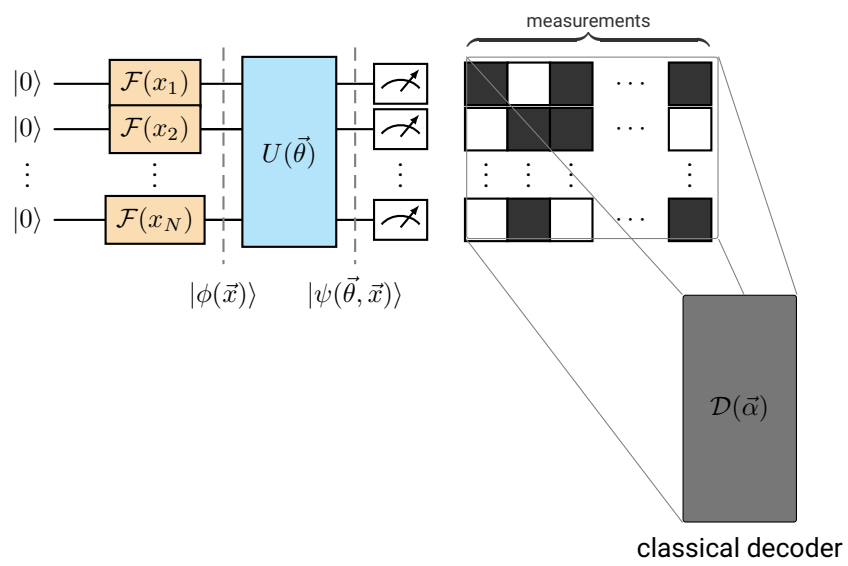
qagbp



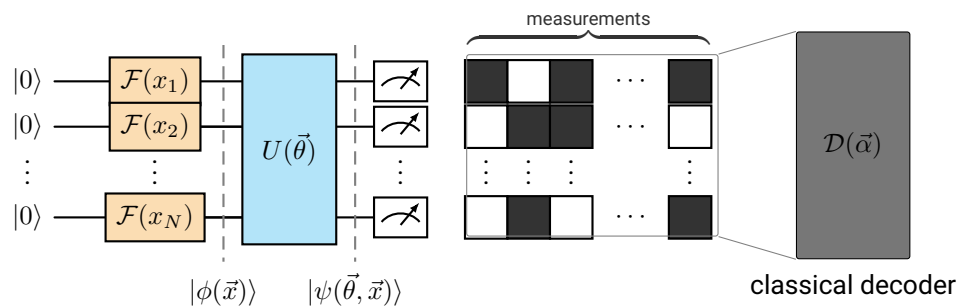
qc



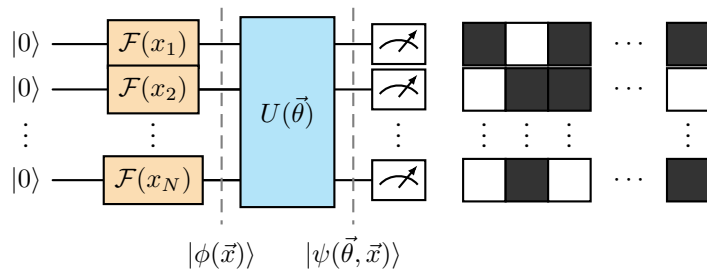
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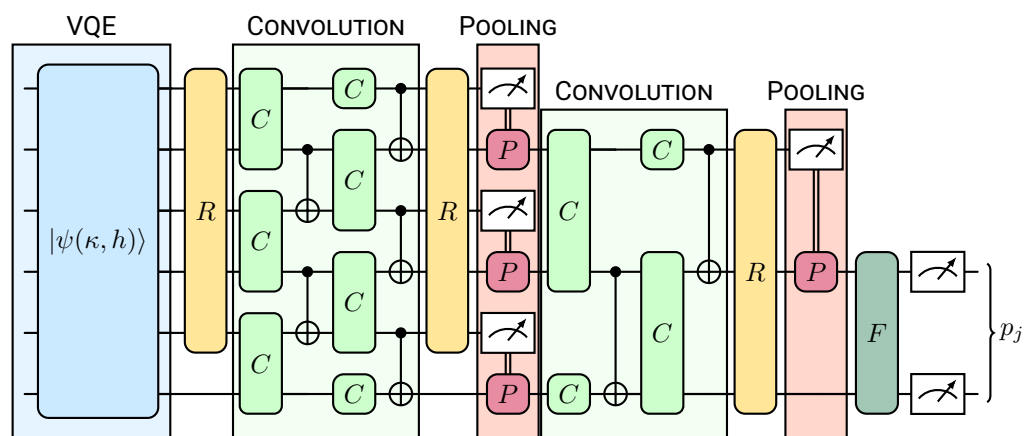
qchyb2



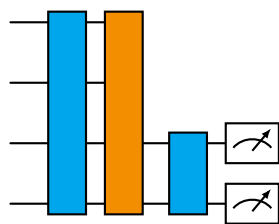
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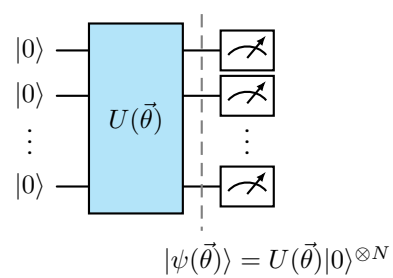
qcnn



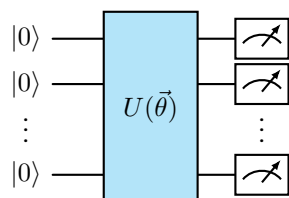
qcnnsmall



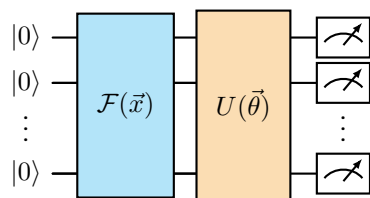
qcsimple



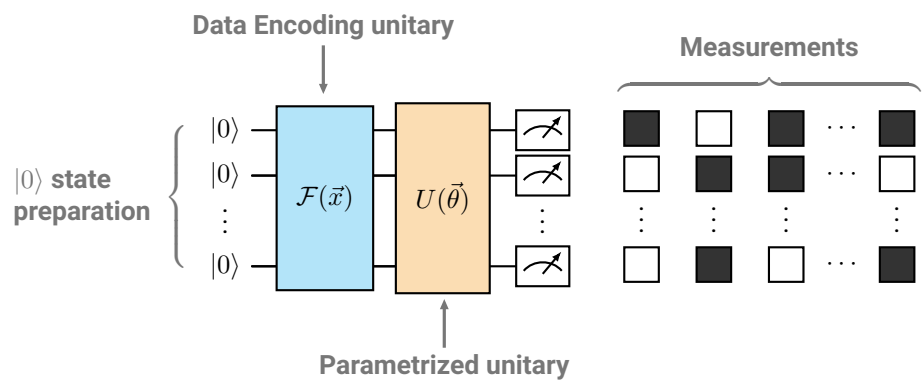
qcultrasimple



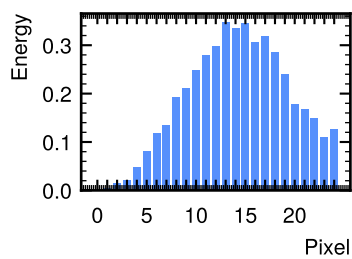
qml



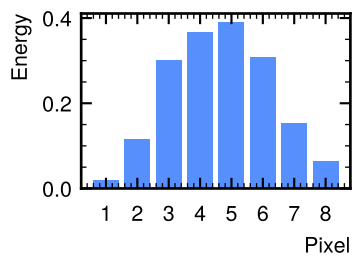
qml_model



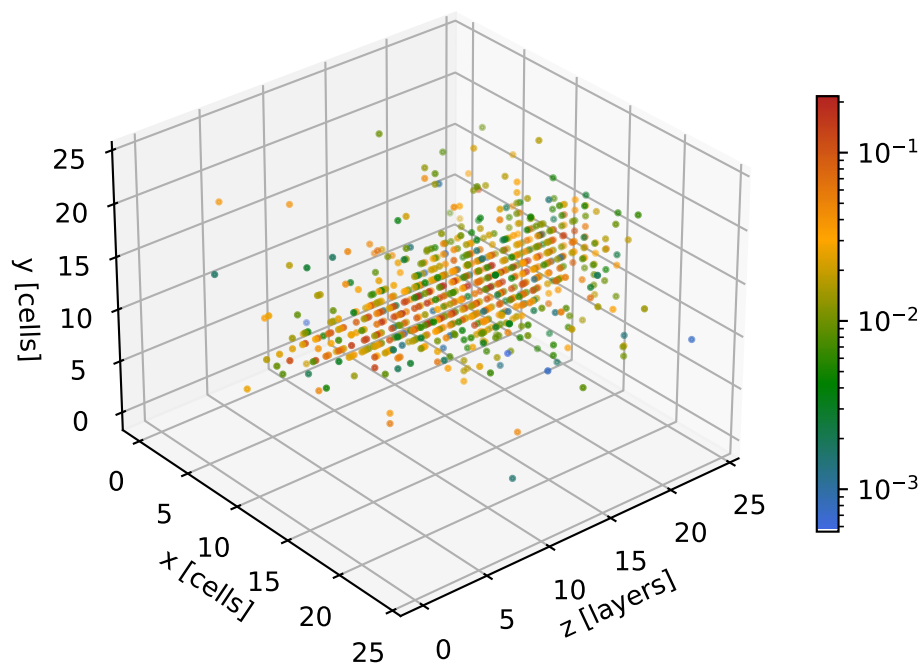
shower_25



shower_8



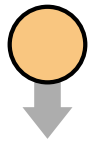
shower_full



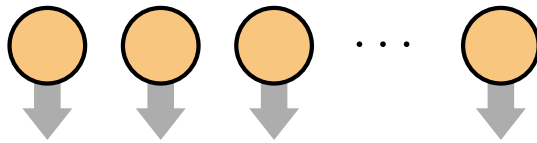
spin



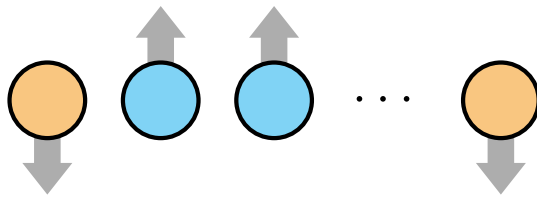
spindown



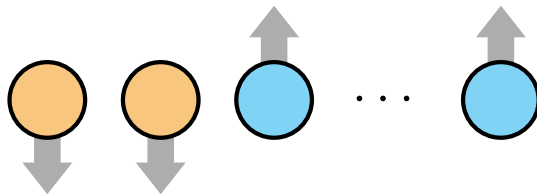
spindowns



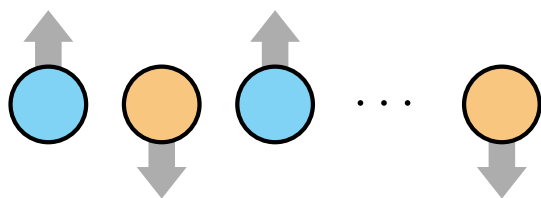
spinrand



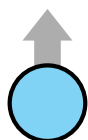
spinrandalt



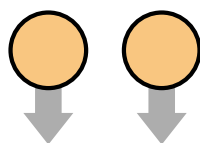
spinrandaltalt



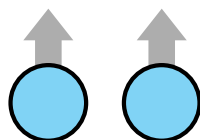
spinup



twospinsdown



twospinsup



vqe_loop

