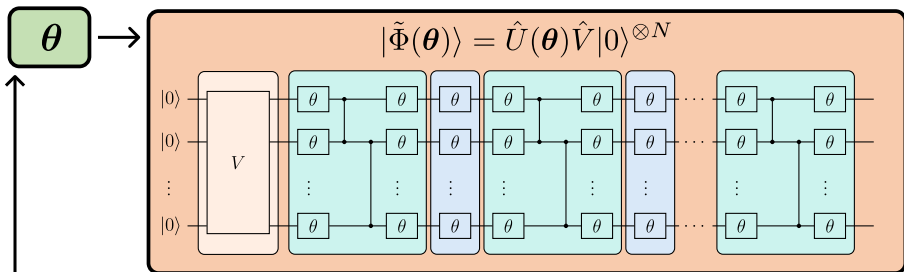


Parameter initialization

State preparation



Cost function evaluation

Measurement of observables

$$C(\theta) = \sum_k f_k(\langle \tilde{\Phi}(\theta) | \hat{O}_k | \tilde{\Phi}(\theta) \rangle)$$

$$\langle \hat{O}_k \rangle = \langle \tilde{\Phi}(\theta) | \hat{O}_k | \tilde{\Phi}(\theta) \rangle$$

Classical optimization

