ADAPT QAOA 2L QAOA 1.0 Mean(Grad) 12 Mean(Grad) 12 -12 0.9 10 0.8 8 0.7 6 0.6 4 0.5 2 0.4 0 5 15 20 2 8 10 6 10 4 Layers Layers ADAPT VQE 2L VQE Mean(Grad) Mean(Grad) 1.5 12 1.8 -12 1.5 1.0 1.2 0.5 0.9 0.0 2 5 6 100 200 300 400 3 0 4

Layers

Layers