

Readme file

The goal of this document is to let reviewers quickly find the code for any sub-figures and any row of Table 1.

Figure source description

Figure label in paper	File name of Figures	File name of ipynb code	Method name	Folder name (same color represents same folder)
Figure 3 (a)	QCL_sinpix_test.png	QCL_sinpix.ipynb	QCL	\3.2_3.3_Data_Embedding\QCL Master
Figure 3 (b)	QCL_sin2pix_test.png	QCL_sin2pix.ipynb	QCL	
Figure 3 (c)	QCL_linear_sin2pix_test.png	QCL_linear_sin2pix.ipynb	QCL	
Figure 3 (d)	sinpix_test.png	sinpix.ipynb	QNN-exc2	\3.2_3.3_Data_Embedding\Our Method_QNN
Figure 3 (e)	sin2pix_test.png	sin2pix.ipynb	QNN-exc2	
Figure 3 (f)	linear_sin2pix_test.png	linear_sin2pix.ipynb	QNN-exc2	
Figure 4 (a)	1_measurement1_test.png	1_measurement1.ipynb	QNN-exc2	\3.4_Oblation_Study\Redundant Measurement, QNN-exc2, f1v3, f2
Figure 4 (b)	2_measurement1_test.png	2_measurement1.ipynb	QNN-exc2	
Figure 4 (c)	xsinx_qcl_test.png	xsinx_qcl.ipynb	QNN-exc1	\3.2_3.3_Data_Embedding\X_SinX_f1v0, QNN-exc1, QNN-A2
Figure 4 (f)	xsinx_test.png	xsinx.ipynb	QNN-A2	

Figure 4 (d)	1_non_square_m2_test.png	1_non_square_m2.ipynb	QNN-exc3	\3.4_Oblation_Study\Objective Function, QNN-exc3, f1v3, f2
Figure 4 (e)	2_non_square_test.png	2_non_square.ipynb	QNN-exc3	
Figure 4 (g)	1_mesh_m2_test.png	1_mesh_m2.ipynb	QNN-exc4	\3.4_Oblation_Study\Random Training Data, QNN-exc4, f1v3, f2
Figure 4 (h)	2_mesh_test.png	2_mesh.ipynb	QNN-exc4	
Figure 4 (i)	sin2pix_mesh_nonsquare_test.png	sin2pix_mesh_grid_nonsquare.ipynb	QNN-exc5	\3.2_3.3_Data_Embedding\Our Method_QNN
Figure 4 (j)	linear_sin2pix_test_all.png	linear_sin2pix_all.ipynb	QNN-A	
Figure 4 (k)	2_random_test.png	2_measurement2.ipynb	QNN-A	\3.4_Oblation_Study\Redundant Measurement, QNN-exc2, f1v3, f2
Figure 5	q_circuit_f1v3_appendix.png	1_non_square_m2.ipynb	QNN-exc3	\3.4_Oblation_Study\Objective Function, QNN-exc3, f1v3, f2
Figure 7	q_circuit_f2_appendix.png	2_non_square.ipynb	QNN-exc3	
Figure 8	q_circuit_f3_appendix.png	D3_all.ipynb	QNN-A	\3.4_Oblation_Study\3-dimensional Examples, QNN-A, QNN-exc234, f3
Figure 9	hist_f1v3.png, hist_f1v0.png	variance_analysis_2_cases.ipynb	QNN-A	\3.5_Variance_Analysis
Figure 10	training_data_result_f1v3_with_mark.png	linear_sin2pix_all.ipynb	QNN-A	\3.2_3.3_Data_Embedding\Our Method_QNN

Remark: Figure name '2_random_test' is a renamed copy of figure name '2_measurement2_test', and 2_measurement2_test is produced by 2_measurement2.ipynb.

Table 1's data source description

Table row #	Method name	File name of ipynb code	Folder name (same color represents same folder)
	Function $f_{1v3} = 0.2 \sin(2\pi x) + 0.8 \cos^2(2\pi x)$		
2	QNN-exc2	1_measurement1.ipynb	\3.4_Oblation_Study\Redundant Measurement, QNN-exc2, f1v3, f2
3	QNN-exc3	1_non_square_m2.ipynb	\3.4_Oblation_Study\Objective Function, QNN-exc3, f1v3, f2
4	QNN-exc4	1_mesh_m2.ipynb	\3.4_Oblation_Study\Random Training Data, QNN-exc4, f1v3, f2
5	QNN-A	1_measurement2.ipynb	\3.4_Oblation_Study\Redundant Measurement, QNN-exc2, f1v3, f2
	Function $f_2 = 0.5 \sin(\pi x_1) \sin(\pi x_2) + 0.8 \cos^2(\pi x_1) + 0.3 \sin(\pi x_2)$		

6	QNN-exc2	2_measurement1.ipynb	\3.4_Oblation_Study\Redundant Measurement, QNN-exc2, f1v3, f2
7	QNN-exc3	2_non_square.ipynb	\3.4_Oblation_Study\Objective Function, QNN-exc3, f1v3, f2
8	QNN-exc4	2_mesh.ipynb	\3.4_Oblation_Study\Random Training Data, QNN-exc4, f1v3, f2
9	QNN-A	2_measurement2.ipynb	\3.4_Oblation_Study\Redundant Measurement, QNN-exc2, f1v3, f2
	Function $f_3 = 0.5 \sin(x_1) \sin(x_2) - 0.6 \cos(x_2) \sin(x_3) + \cos^2(x_3)$		
10	QNN-exc2	D3_measurement1.ipynb	\3.4_Oblation_Study\3-dimensional Examples, QNN-A, QNN-exc234, f3
11	QNN-exc3	D3_non_square.ipynb	
12	QNN-exc4	D3_mesh.ipynb	
13	QNN-A	D3_all.ipynb	