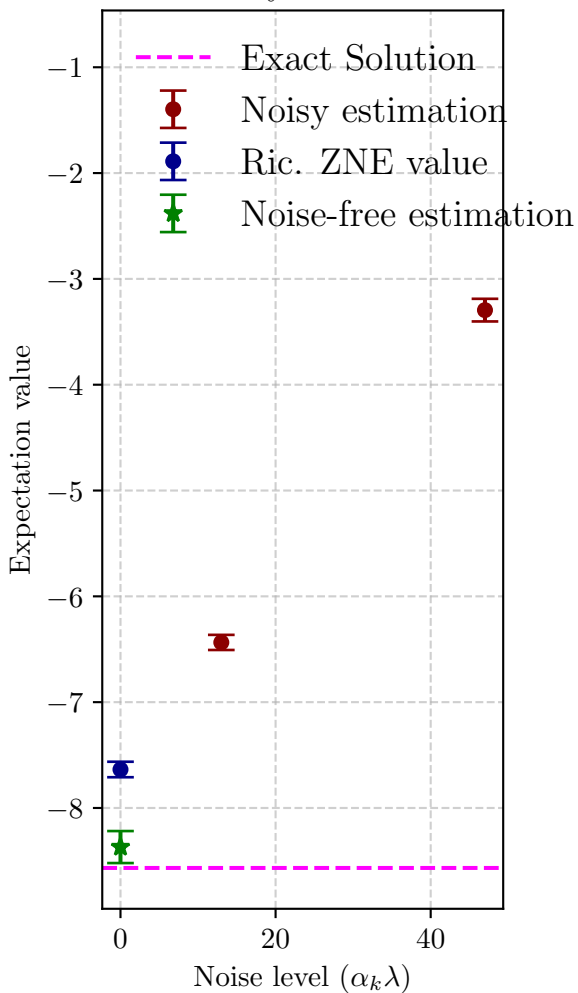
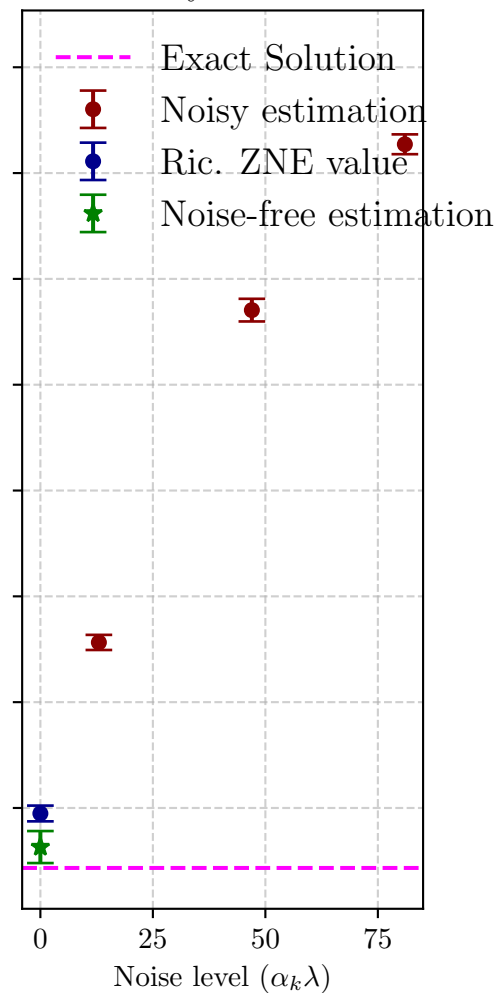


| Description | Simulation | Mean \pm Std |
|-------------|-----------------------|------------------------|
| xy-ric2 | vqe | -6.43550 \pm 0.07145 |
| xy-ric2 | redundant (noise=13) | -6.43550 \pm 0.07145 |
| xy-ric2 | redundant (noise=47) | -3.29514 \pm 0.10699 |
| xy-ric2 | zne | -7.63623 \pm 0.07321 |
| xy-ric2 | noiseoff | -8.36934 \pm 0.15125 |
| | | |
| xy-ric3 | vqe | -6.43550 \pm 0.07145 |
| xy-ric3 | redundant (noise=13) | -6.43550 \pm 0.07145 |
| xy-ric3 | redundant (noise=47) | -3.29514 \pm 0.10699 |
| xy-ric3 | redundant (noise=81) | -1.72787 \pm 0.09369 |
| xy-ric3 | zne | -8.05195 \pm 0.07442 |
| xy-ric3 | noiseoff | -8.36934 \pm 0.15125 |
| | | |
| xy-ric4 | vqe | -6.43550 \pm 0.07145 |
| xy-ric4 | redundant (noise=13) | -6.43550 \pm 0.07145 |
| xy-ric4 | redundant (noise=47) | -3.29514 \pm 0.10699 |
| xy-ric4 | redundant (noise=81) | -1.72787 \pm 0.09369 |
| xy-ric4 | redundant (noise=115) | -0.92017 \pm 0.07099 |
| xy-ric4 | zne | -8.22268 \pm 0.07642 |
| xy-ric4 | noiseoff | -8.36934 \pm 0.15125 |
| | | |

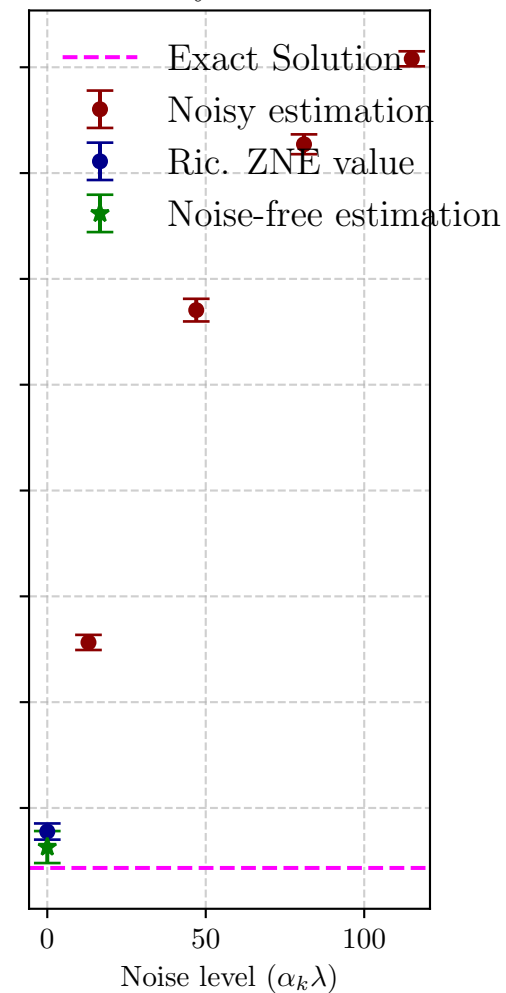
xy-ric2



xy-ric3



xy-ric4



XY VQE CONFIGURATION

| Parameter | Value |
|--|-------------------------------------|
| run | vqe |
| nqubits | 7 |
| state | dmatrix |
| output.file_name_prefix | xy_noisey_time_evo |
| output.draw.status | True |
| output.draw.fig_dpi | 100 |
| output.draw.type | png |
| observable.def | ising |
| observable.coefficients.cn | [0.5, 0.5, 0.5, 0.5, 0.5, 0.5] |
| observable.coefficients.bn | [1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0] |
| observable.coefficients.r | 1 |
| ansatz.layer | 30 |
| ansatz.gateset | 1 |
| ansatz.ugate.type | xy-iss |
| ansatz.ugate.coefficients.cn | [0.5, 0.5, 0.5, 0.5, 0.5, 0.5] |
| ansatz.ugate.coefficients.bn | [0, 0, 0, 0, 0, 0, 0] |
| ansatz.ugate.coefficients.r | 0 |
| ansatz.ugate.time.min | 0.0 |
| ansatz.ugate.time.max | 10.0 |
| vqe.iteration | 10 |
| vqe.optimization.status | True |
| vqe.optimization.algorithm | SLSQP |
| vqe.optimization.constraint | True |
| init_param.value | random |
| noise_profile.status | True |
| noise_profile.type | depolarizing |
| noise_profile.noise_prob | [0.001, 0.001, 0.001, 0.001] |
| noise_profile.noise_on_init_param.status | False |
| noise_profile.noise_on_init_param.value | 0 |
| redundant.identity_factors | [[0, 0, 0, 0], [1, 1, 0, 0]] |
| zne.method | richardson |
| zne.degree | 1 |
| zne.sampling | default |
| zne.data_points | |