QISKIT LEVEL 15

Building Noise Models

- Introduction

Qiskit Aer Noise Module

- Quantum Errors
- Combining quantum errors
- Example
- Converting to and from QuantumChannel operators
- Readout Error
- Adding errors to a Noise Model
- All-qubit quantum error
- Specific qubit quantum error
- Non-local qubit quantum error

Executing a noisy simulation with a noise model

- Noise Model Examples
- Ideal Simulation
- Noise Example 1: Basic bit-flip error noise model

Executing the noisy simulation

Example 2: T1/T2 thermal relaxation

Executing the noisy simulation