

REPORT

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Cirq

Cirq is a library made to use in python. We can access Quantum Computer using this library. We can make operations, moments, and even circuits. Cirq comes with a simulator, so we can simulate the circuits we made in cirq by using the “cirq. Simulator” command, which has two different approaches “.simulate and .run.” We can even use the “matplotlib” command to plot the graph of the values we got. In cirq, we can specify gates using a symbol. We can set a list of values for a specific symbol. It provides a sub-library by which we can represent our output in a unitary matrix form. Cirq also provides a command named ‘cirq. decompose’, which can decompose many gates into an equivalent circuit with simpler operations and gates. We can use transformers in a cirq that can take a circuit and modify it.