

This week is another one using the IBM Q Experience. Choose one of the following papers, and reproduce as much of the results as you can. If you know Python, you may be better off using QISKit (see my tutorial if you need help getting started).

- Revealing anyonic features in a toric code quantum simulation
- Demonstrating non-Abelian braiding of surface code defects in a five qubit experiment
- Is error detection helpful on IBM 5Q chips?
- Experimental Demonstration of Fault-Tolerant State Preparation with Superconducting Qubits