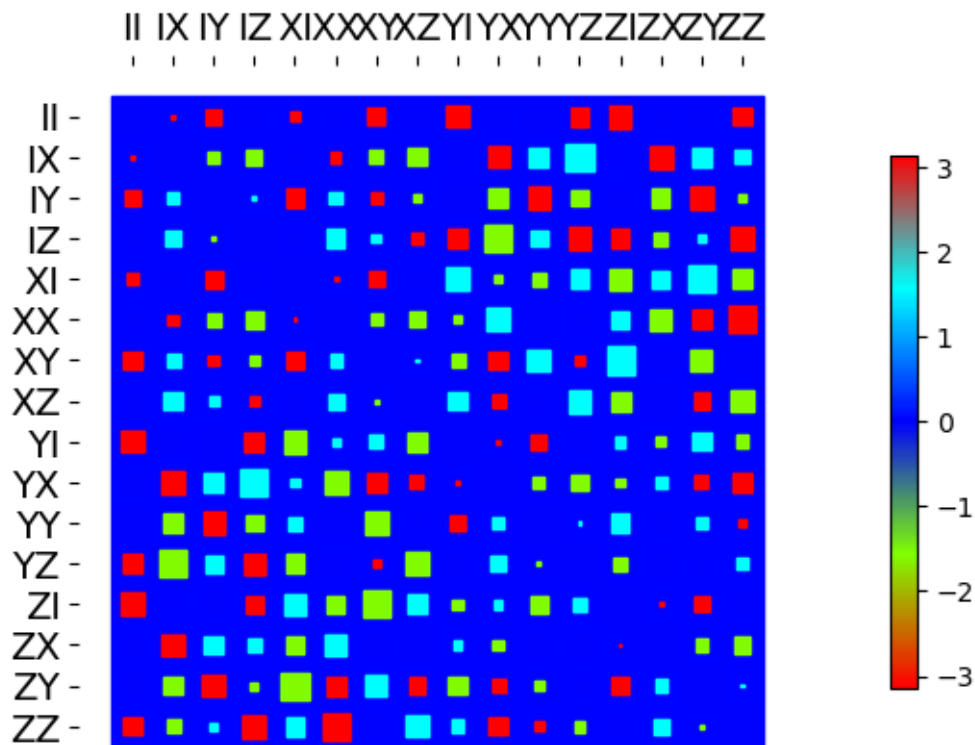


# untitled

July 7, 2023

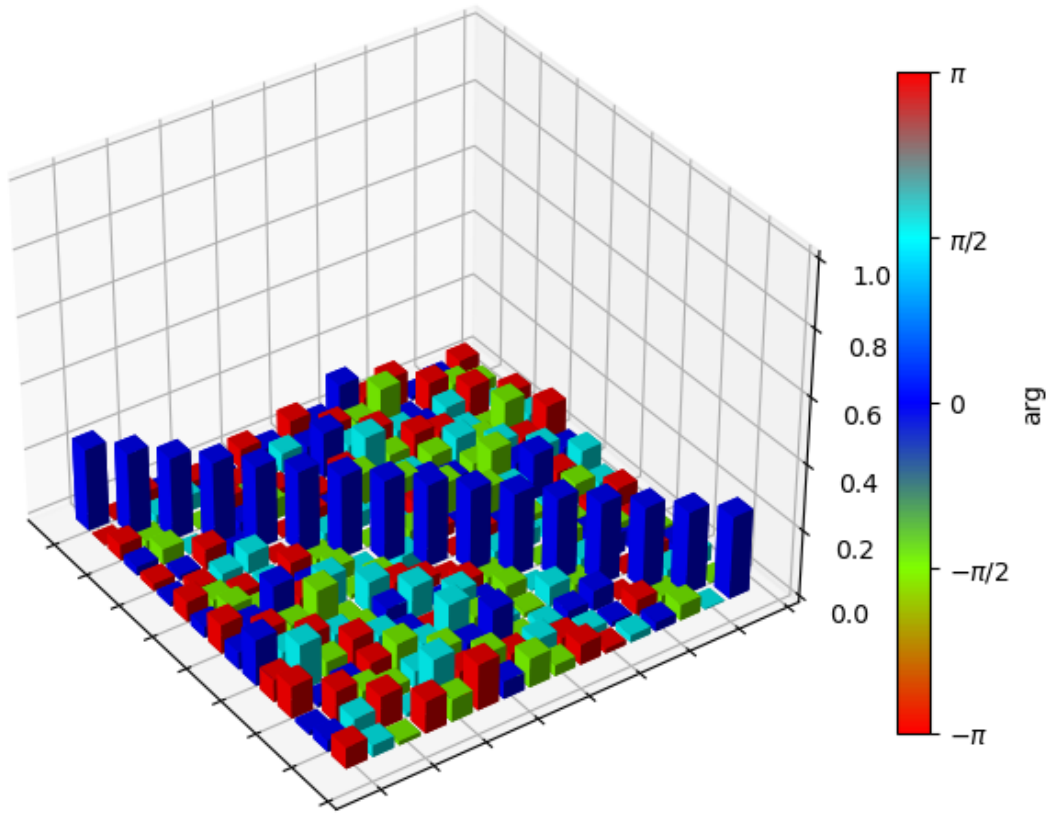
```
[22]: import qutip
      from qutip.core.superop_reps import _to_superpauli, isqubitdims
      rho = qutip.rand_dm(4)
```

```
[26]: spre_rho = qutip.spre(rho)
      qutip.hinton(spre_rho,color_style='phase');
```



```
[29]: # Convert a superoperator to the Pauli basis (assuming qubit dimensions).
      sqobj = _to_superpauli(spre_rho)
      print(sqobj.dims)
      qutip.matrix_histogram_complex(sqobj);
```

[[[4], [4]], [[4], [4]]]



[ ]: