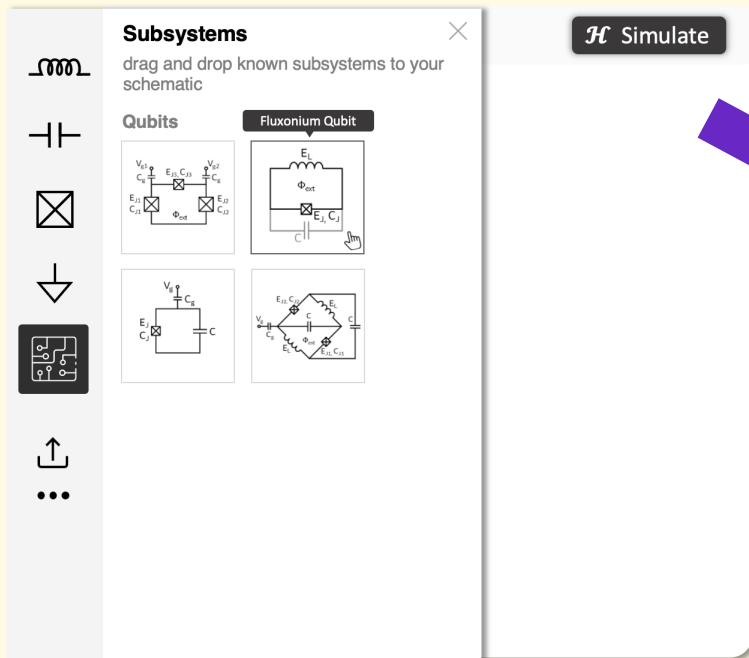


Frontend



Subsystems ✕
drag and drop known subsystems to your schematic

Qubits Fluxonium Qubit

V_{q1} , C_{q1} , E_{J1} , C_{J1} , V_{q2} , C_{q2} , E_{J2} , C_{J2} , Φ_{ext}

E_L , Φ_{ext} , E_J , C_J , C

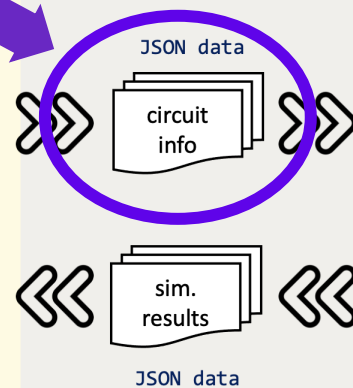
V_q , C_q , E_{J1} , C_{J1} , E_{J2} , C_{J2} , C

E_{J1} , C_{J1} , E_{J2} , C_{J2} , C

Simulate

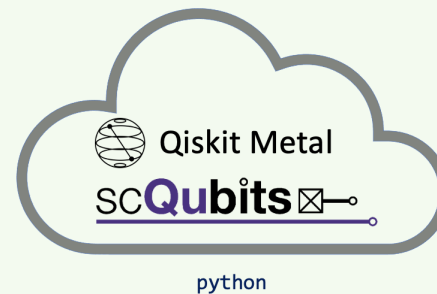
JavaScript + React + HTML

HTTP requests and responses



Backend

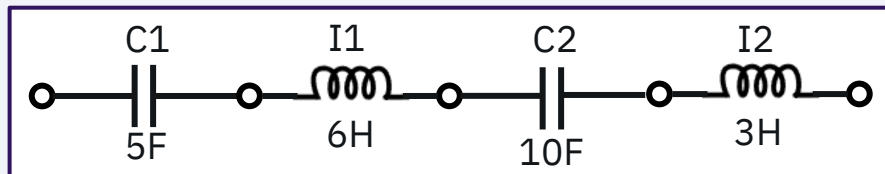
LOM Analysis



Hamiltonian Analysis

Conversion from Circuit Schematic to Weighted Capacitance & Inductance Graph

Circuit Schematic



Circuit Components

Name	Type	Terminals	Value	Connections
C1	capacitor	("C1_1", "C1_2")	"5F"	{"C1_1": [], "C1_2": ["I1_1"]}
I1	inductor	("I1_1", "I1_2")	"6H"	{"I1_1": ["C1_2"], "I1_2": ["C2_1"]}
C2	capacitor	("C2_1", "C2_2")	"10F"	{"C2_1": ["I1_2"], "C2_2": ["I2_1"]}
I2	inductor	("I2_1", "I2_2")	"3H"	{"I2_1": ["C2_1"], "I2_2": []}

Capacitance Graph

```
{'NC1': {'NC0': '5F', 'NC2': '10F'}}
{'NI1': {'NI0': '6H', 'NI3': '3H'}}
```

Inductance Graph