

Erratum

QuCAT: Quantum circuit analyzer tool in python (New Journal of Physics (2020) 22 (013025) DOI: 10.1088/1367-2630/ab60f6)

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Corrigendum: QuCAT: quantum circuit analyzer tool in Python (2020 *New J. Phys.* [22 013025](#))

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CORRIGENDUM

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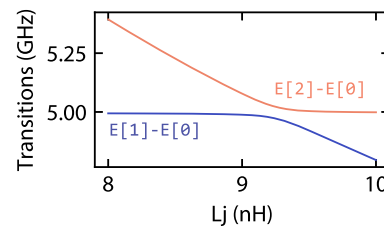
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In the published paper, the Hamiltonian featured in figure 2 was incorrect. The term $E_J/(12h)$ should be $E_J/(24h)$, as shown in the corrected figure in this corrigendum. Note that this error was simply typographic, and was never reflected in the QuCAT software.

```
H = circuit.hamiltonian(Lj = ... ,  
mode = [0,1], taylor = 4, excitations = [10,12])
```

$$\sum_{m \in \text{mode}} f_m a_m^\dagger a_m - \sum_{j \in \text{junctions}} \frac{E_J}{24h} \left[\sum_{m \in \text{mode}} \phi_{zpf, m, j} (a_m^\dagger + a_m) \right]^4$$

```
E = H.eigenenergies()
```



Corrected Fig. 2 of the published paper.