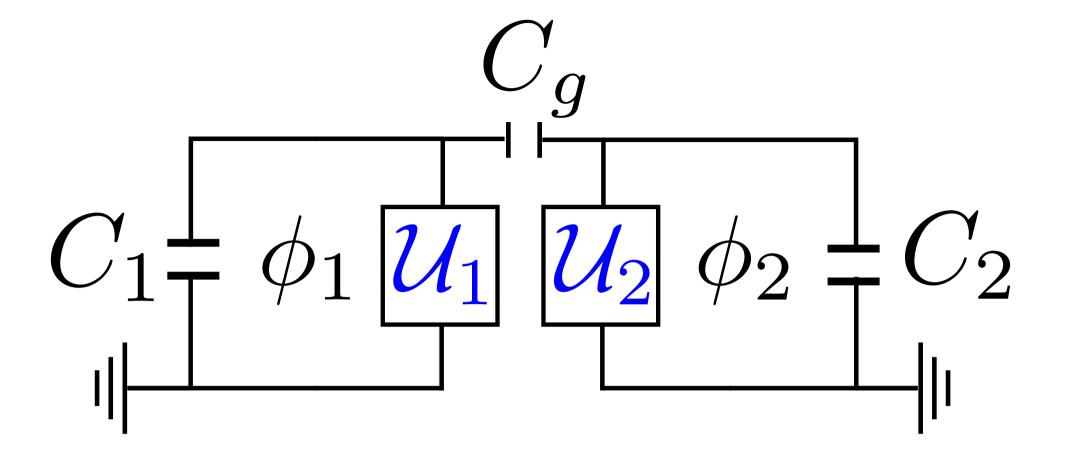
(a) General circuit



(c) 3JJ flux qubit

$$\beta C = \frac{1}{1} \underbrace{\Phi_q} \stackrel{\alpha E_J}{\bowtie} \alpha C$$

$$C_q = C(1 + 2\alpha + 2\beta)$$

(b) Potential and eigenstates structure

