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## The effect of pinholes on Josephson transport in AlO<sub>x</sub> tunnel junctions

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Josephson junctions are the key components of quantum computers based on superconducting qubits. We develop an atomistic model to study the effect of microscopic defects called “pinholes”, which could cause energy dissipation in Al/AlO<sub>x</sub>/Al Josephson junctions.

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