

From single superconducting components to integrated qubit circuits: Vertical Josephson junctions, low-loss superconducting resonators and high-kinetic inductance films

Tuesday, 16 January 2024 10:15 (15 minutes)

The performance of single superconducting circuital components fundamentally limits the performance of complex multi-qubit circuits. We therefore optimise the design and microfabrication of elementary building blocks, maximising control and reproducibility and minimising microwave losses.

https://drive.google.com/open?id=15EwTqjMfeHfiLgOfqLjYrFtfG6_PhF4

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