Junction Geometries

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Junction Geometries









WS 22/23 IVC Curves of JJ Driven by Constant Current Source





RCSJ Model: Tilted Washboard Potential







IVC in Voltage State of Overdamped JJ





<V> / 1 R

JJ With Intermediate Damping

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$\langle I \rangle$ vs V_{dc} for Overdamped JJ Driven by ac Voltage

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I_{dc} vs $\langle V \rangle$ or Overdamped JJ Driven by ac Current

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Constant Voltage steps in IVC of a JJ Driven With Microwave Radiation





WS 22/23 Charging Energy and Josephson Coupling Energy as a Function of the Junction Area









Macroscopic Quantum Tunneling





Escape Rate vs Temperature





dc-SQUID Geometry





Φ vs Φ_{ext} for different β_L







Voltage-Current and Voltage-Flux Characteristics of a dc-SQUID





WS 22/23 Voltage-Current Characteristics of a dc-SQUID With Different Bias Conditions Indicated



Voltage-Current Characteristics of a dc-SQUID







Washer-type dc-SQUID Geometries





Washer-type dc-SQUIDs





dc-SQUID With Input Coil



