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Quantum Coherence Tunnelings: Multi-Kondo Peaks and Anomalous Coulomb Oscillations

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Abstract: On the basis of a multi-level Anderson-Wolff model, an electronic tunneling is studied numerically in the self-consistent field approximation. It is shown that in the intermediate coupling regime, conductance and magnetization could display universal fluctuations. In particular, new anomalous Coulomb oscillations assisted by the multi-Kondo peaks are predicted theoretically.

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