

Abstract Submitted
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Quantum Logic Gates for the Rezqu Architecture JOYDIP GHOSH, MICHAEL GELLER, University of Georgia, Athens — A promising quantum computing architecture has been recently proposed by the UCSB superconducting quantum computation group. In this architecture, n phase qubits are capacitively coupled to individual memory resonators as well as a common bus. In this talk we discuss the design of quantum logic gates for this architecture and discuss the intrinsic fidelities.

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