

Abstract Submitted
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Engineering Tripartite Entangled States of Two Phase Qubits Coupled via a Cavity JAE PARK, FABIO ALTOMARE, RAY SIMMONDS, NIST — We present an experimentally inexpensive scheme for preparing certain tripartite entangled states. We suggest ways to test the degree to which such target states have been successfully prepared. We present a convenient geometrical interpretation of the resonant unitary dynamics which gives a natural interpretation for the characteristic frequencies and provides intuition for the pulse sequence necessary to achieve a desired target state.

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