# Selected Abstracts from Other Physical Review Journals

*Abstracts of papers that are published in other Physical Review journals and may be of interest to Physical Review E readers are printed below.*

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**Spectroscopy of capacitively coupled Josephson-junction qubits.** Philip R. Johnson, Frederick W. Strauch, Alex J. Dragt, Roberto C. Ramos, C. J. Lobb, J. R. Anderson, and F. C. Wellstood, *Department of Physics, University of Maryland, College Park, Maryland 20742-4111*. (Received 8 October 2002; revised manuscript received 10 December 2002; published 22 January 2003)

We show that two capacitively coupled Josephson junctions, in the quantum limit, form a simple coupled qubit system with effective coupling controlled by the junction bias currents. We compute numerically the energy levels and wave functions for the system, and show how these may be tuned to make optimal qubits. The dependence of the energy levels on the parameters can be measured spectroscopically, providing an important experimental test for the presence of entangled multiqubit states in Josephson-junction based circuits. [Phys. Rev. B **67**, 020509 (2003)]