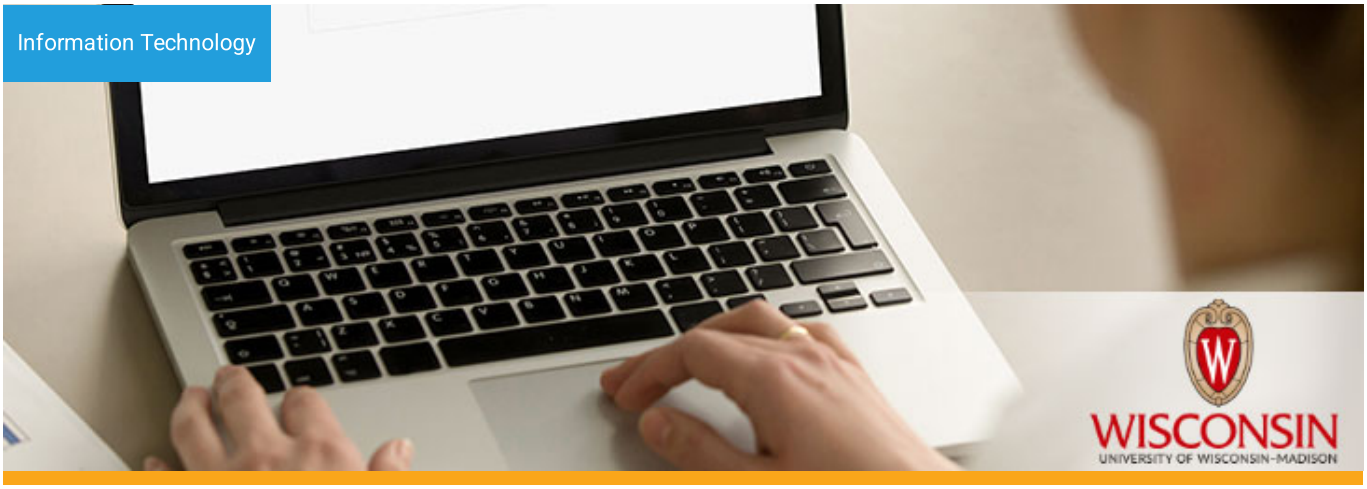
Information Technology



System And Method For Quantum Computation Using Symmetrical Charge Qubits

View U.S. Patent No. 10,572,814 in PDF format.

WARF: P160091US01

Inventors: Mark Friesen, Mark Eriksson, Susan Coppersmith

The Invention

A quantum computing system and method for performing quantum computation is provided. In some aspects, the system includes at least one charge qubit comprising a quantum dot assembly prepared with a symmetric charge distribution, wherein the symmetric charge distribution is configured to reduce a coupling between the charge qubit and a charge noise source. The system also includes a controller for controlling the at least one charge qubit to perform a quantum computation. The system further includes an output for providing a report generated using information obtained from the quantum computation performed.

Additional Information

For More Information About the Inventors

- Mark Friesen
- Susan Coppersmith

Tech Fields

- Information Technology : Hardware

For current licensing status, please contact Emily Bauer at emily@warf.org or 608-960-9842