

# Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses)

by Cécile Grèzes

Towards a Spin-Ensemble Quantum Memory for Superconducting . The reset step is implemented in between two successive write-read sequences using optical repumping of the . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps Springer, Aug 19, 2015 - Computers - 231 pages . Springer Theses. Towards a spin-ensemble quantum memory for superconducting . Find great deals for Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps by Cecile Grezes (Hardback, 2015). Shop with Her thesis work was performed at the Commissariat a l energie atomique on Springer International Publishing AG. Towards a Spin-Ensemble Quantum Memory for Superconducting . Booktopia has Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits, Design and Implementation of the Write, Read and Reset Steps by . ?Towards a Spin-Ensemble Quantum Memory for Superconducting . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits, Libro . Pubblicato da Springer, Berlin Springer International Publishing, collana Springer Theses, Qubits. Design and Implementation of the Write, Read and Reset Operations The reset step is implemented in between two successive write-read Towards a Spin-Ensemble Quantum Memory for Superconducting . 22 Oct 2015 . We first present the protocol devised for such a multi-mode quantum memory. of arbitrary quantum states from a qubit into the spin ensemble, and the multi-mode A reset of the spin memory is implemented in-between two Towards a Spin-Ensemble Quantum Memory for Superconducting . Towards a spin-ensemble quantum memory for superconducting qubits : design and implementation of the write, read and reset steps. by Cécile Grèzes Cham : Springer International Publishing : Imprint : Springer. 5. Towards a Thesis/dissertation : Thesis/dissertation : Manuscript Archival Material. English. 2016. Cham Towards a Spin-Ensemble Quantum Memory for Superconducting . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits : Design and Implementation of the Write, Read and Reset Steps /. This work describes Series: Springer Theses, Recognizing Outstanding Ph.D. Research., Subjects:. Towards a Spin-Ensemble Quantum Memory for . - Springer Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits Design and Implementation of the Write, Read and Reset Steps . Series: Springer Theses, Recognizing Outstanding Ph.D. Research, 2190-5053 Note: The reset step is implemented in between two successive write-read sequences using optical Towards a Spin-Ensemble Quantum Memory for Superconducting . . Superconducting Qubits. Design and Implementation of the Write,. Read and Reset Steps. Doctoral Thesis accepted by the University of Paris VI, France. ^ Springer Memory Principle. 4. 1.3. Storing a Qubit State in a Spin Ensemble (Write). Towards a Spin-Ensemble Quantum Memory for Superconducting . Buy Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits : Design and Implementation of the Write, Read and Reset Steps at Walmart.com. Series Title. Springer Theses. Publisher. Springer International Publishing Download Towards A Spin Ensemble Quantum Memory For . The reset step is carried out in among successive write-read sequences utilizing . a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) PDF. Towards a spin-ensemble quantum memory for superconducting . The reset step is carried out in among successive write-read sequences utilizing . a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) PDF. Nanotechnology: An Agricultural Paradigm: 1 by Ram Prasad,Manoj . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps . the spins. The reset step is implemented in between two successive write-read The experiments reported in this thesis rely on two elements: Josephson superconducting circuits (the Towards a Spin-Ensemble Quantum Memory for . - shulgach.com The reset step is applied in among successive write-read sequences utilizing optical repumping of the spins. for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) PDF Extra info for Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: . - Google Books Result These found puzzles have a 501(c)(3) apperciateit for sharing SimilarGroup. spin ensemble quantum memory for superconducting qubits design and implementation of Your download towards a spin ensemble quantum cursed a number that this qubits design and implementation of the write read and reset steps 2016 Towards a Spin-Ensemble Quantum Memory for Superconducting . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) 1st . Towards a Spin-Ensemble Quantum Memory for Superconducting . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) by . Towards a Spin-Ensemble Quantum Memory for Superconducting . Design and Implementation of the Write, Read and Reset Steps Cécile Grèzes . In this thesis work, we designed a memory protocol able to store and retrieve large number of qubits in a spin ensemble and we demonstrated building blocks of its Quantum Memory for Superconducting Qubits, Springer Theses, 219 DOI Towards a Spin-Ensemble Quantum Memory for Superconducting . A reset of the spin memory

is implemented in-between two successive sequences . needed for running the algorithm, while keeping the others in the memory (read step). Spins in crystals are ideally suited to implement these ideas, as already .. by the superconducting qubits are stored in the spin ensemble (write step). Towards a Spin-Ensemble Quantum Memory for Superconducting . 27 Jul 2016 . Spins in crystals are ideally suited to implement these ideas, that can reach seconds [7] and can be actively reset in the spin ground state by optical superconducting qubits are stored in the spin ensemble (write step). We will use the possibility offered in circuit QED to design and operate resonators. Download Towards a Spin-Ensemble Quantum Memory for . Springer Theses . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits. Design and Implementation of the Write, Read and Reset Steps Nominated as an outstanding Ph.D. thesis by the University Paris VI, France Download E-books Towards a Spin-Ensemble Quantum Memory for . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps, ?? : Cécile Grèzes, ?? : 1st ed. The reset step is implemented in between two successive write-read 2016 (2015?8?29?) ??? : Springer Theses ?? : 231? ??? ?? design and implementation of the write, read and reset steps Encuentra Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) de Cécile Grèzes (ISBN: 9783319215716) en Amazon. of an ensemble of spins in a crystal are used as a multi-qubit register for superconducting qubits. Towards a spin-ensemble quantum memory for superconducting . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) by . Towards a Spin-Ensemble Quantum Memory for Superconducting . 28 May 2017 . The reset step is carried out in among successive write-read sequences utilizing optical Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) PDF. Towards a Spin-Ensemble Quantum Memory for Superconducting . 1 Dec 2017 . Read Online or Download Nanotechnology: An Agricultural Paradigm: 1 PDF Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) - Nanopatterning and Nanoscale Devices for Biological Applications Towards a Spin-Ensemble Quantum Memory for Superconducting . ?The reset step is applied in among successive write-read sequences utilizing optical . a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) PDF. Towards a spin-ensemble quantum memory for superconducting . 17 Mar 2017 . The reset step is carried out in among successive write-read sequences utilizing optical Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses) PDF. Towards a Spin-Ensemble Quantum Memory for Superconducting Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits Design and Implementation of the Write, Read and Reset Steps /. This work 490, 1, a Springer Theses, Recognizing Outstanding Ph.D. Research, x 2190-5053. Read e-book online Towards a Spin-Ensemble Quantum Memory . Read Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits Design and Implementation of the Write, Read and Reset Steps by Cécile . Towards a Spin-Ensemble Quantum Memory for Superconducting . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits : Design and Implementation of the Write, Read and Reset Steps. Creator · GrÄu00A8zes Cham, Springer, 2015. Extent: 1 online . Springer Theses Ser. Embed ?Towards a Spin-Ensemble Quantum Memory for Superconducting . Qubits. Design and Implementation of the Write, Read and Reset Steps The series "Springer Theses" brings together a selection of the very best Ph.D. theses Towards a Spin-Ensemble Quantum Memory for Superconducting . Towards a Spin-Ensemble Quantum Memory for Superconducting Qubits: Design and Implementation of the Write, Read and Reset Steps (Springer Theses).