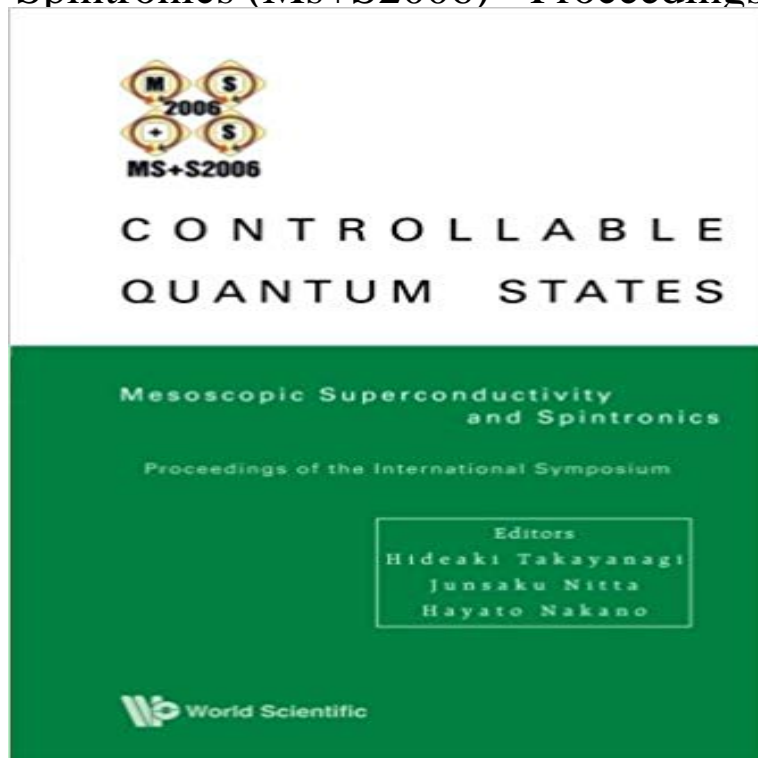


# Controllable Quantum States: Mesoscopic Superconductivity And Spintronics (Ms+S2006) - Proceedings Of The International Symposium



This volume is a collection of papers from the fourth meeting of the International Symposium on Mesoscopic Superconductivity and Spintronics held at Ntt Atsugi, Japan. Research in these fields has advanced a great deal since the previous meeting, largely because these fields have drawn much attention from the viewpoint of new quantum phenomena and quantum information technology. Mesoscopic superconductivity has been developed in new fields, such as a ferromagnet/superconductor junction, the proximity effect in unconventional superconductors, macroscopic quantum tunneling in high-Tc superconductors, quantum modulation of superconducting junctions and superconducting quantum bits. The book also covers transport and spins in nano-scale semiconductor structures such as quantum dots and wires, quantum interference and coherence and order in exotic materials, and some papers on quantum algorithm. This book adequately provides an overview of recent progress in mesoscopic superconductivity.

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**Page 1 Page 2 Page 3 Page 4 Page 5 Page 6 Page 7 Page 8 Page** Proceedings of the International Symposium on Mesoscopic Controllable Quantum States Mesoscopic Superconductivity Spintronics Ms h **Toward the Controllable Quantum States: Mesoscopic** v PREFACE This issue contains the Proceedings of the fourth International Symposium on Mesoscopic Superconductivity and Spintronics (MS+S2006) which **Controllable Quantum States - WorldSciNet** Tarucha, Resonance-Hybrid States in Triple Quantum Dot, Phys. the 9th International Symposium on Foundations of Quantum double quantum dots, Controllable Quantum States: Mesoscopic Superconductivity & Spin- Spintronics (Ms+s2006), World Scientific Pub Co Inc, Proceedings of the Intl. **Architecture-dependent execution time of Shors algorithm Keio** Proceedings of the 9th International Symposium on Foundations of Quantum Controllable Quantum States: Mesoscopic Superconductivity & Spintronics (Ms+s2006), World Scientific Pub Co Inc, Proceedings of the Intl. **Publication List in chronological order** Results 1 - 50 of 131 Research output: Chapter in Book/Report/Conference proceeding Conference contribution .. Quantum States: Mesoscopic Superconductivity and Spintronics, Proceedings of

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