

## CONTENTS

Preface	v
Liquid-state NMR Quantum Computer: Working Principle and Some Examples <i>Y. Kondo</i>	1
Flux qubits, Tunable Coupling and Beyond <i>A. O. Niskanen</i>	53
Josephson Phase Qubits, and Quantum Communication via a Resonant Cavity <i>M. A. Sillanpää</i>	56
Quantum Computing Using Pulse-based Electron-nuclear Double Resonance (ENDOR): Molecular Spin-qubits <i>K. Sato, S. Nakazawa, R. D. Rahimi, S. Nishida, T. Ise, D. Shimoi, K. Toyota, Y. Morita, M. Kitagawa, P. Carl, P. Höfner, T. Takui</i>	58
Fullerene C <sub>60</sub> : A Possible Molecular Quantum Computer <i>T. Wakabayashi</i>	163
Molecular Magnets for Quantum Computation <i>T. Kuroda</i>	193
Errors in a Plausible Scheme of Quantum Gates in Kane's Model <i>Y. Ota</i>	207

Yet Another Formulation for Quantum Simultaneous  
Noncooperative Bimatrix Games 223

*A. SaiToh, R. Rahimi, M. Nakahara*

Continuous-variable Teleportation of Single-photon  
States and an Accidental Cloning of a Photonic Qubit in  
Two-channel Teleportation 243

*T. Ide*