

Quantum Computation and Quantum Information

Samuel J. Lomonaco, Jr. and Howard E. Brandt
editors

CONTENTS

Preface	1 page
List of Participants	1 page
Pot de Vin Prize awarded to Gilles Brassard	1 page
Space Searches with a Quantum Robot	12 pages
<i>Benioff, Paul</i>	
Perturbation Theory and Numerical Modeling Quantum Logic Operations with a Large of Qubits	29 pages
<i>Berman, G., G.D. Doolen, D.I. Kamenev, G.V. Lopez, and V.Tsifrinovich</i>	
Inconclusive rate with a positive operator valued Measure	10 pages
<i>Brandt, Howard E.</i>	

Quantum Amplitude Amplification and Estimation	30 pages
<i>Brassard, Gilles, Peter Hoyer, Michele Mosca, and Alain Tapp</i>	
Manipulating the Entanglement of One Copy of a Two-Particle Pure Entangled State	7 pages
<i>Hardy, Lucien</i>	
Geometric Algebra in Quantum Information Processing	20 pages
<i>Havel, Timothy F., and Chris J. L. Doran</i>	
Quantum Computing and the Jones Polynomial	38 pages
<i>Kauffman, Louis H.</i>	
Quantum Hidden Subgroup Algorithms: Mathematical Perspective	63 pages
<i>Lomonaco, Samuel J., Jr. and Louis H. Kauffman</i>	
Improved Two Party and Multi-Party Protocols	10 pages
<i>Maneva, Elitza N., and John A. Smolin</i>	
Quantum Games and Quantum Algorithms	11 pages
<i>Meyer, David A.</i>	
A Proof That Measured Data and Equations Quantum Mechanics Can Be Linked Only by Guesswork	24 pages
<i>Myers, John M., and F. Hadi Madjid</i>	
Quantum Computation by Geometrical Means	6 pages
<i>Pachos, Jiannis</i>	
Pauli Exchange and Quantum Error Correction	12 pages
<i>Ruskai, Mary Beth</i>	
Relative Entropy in Quantum Information Theory	33 pages
<i>Schumacher, Benjamin, and Michael D. Westmoreland</i>	
An Unentangled Gleason's Theorem	9 pages
<i>Wallach, Nolan R.</i>	
Entangled chains	12 pages
<i>Wootters, William K.</i>	