

PREFACE

This volume contains lecture notes and poster contributions presented at the summer school “Mathematical Aspects of Quantum Computing”, held from 27 to 29 August, 2007 at Kinki University in Osaka, Japan. The aims of this summer school were to exchange and share ideas among researchers working in various fields of quantum computing particularly from a mathematical point of view, and to motivate students to tackle the advanced subjects of quantum computing.

Invited speakers to the summer school were asked to prepare their lecture notes in a self-contained way and therefore we expect that each contribution will be useful for students and researchers even with less background to the topic.

This summer school was supported by “Open Research Center” Project for Private Universities: matching fund subsidy from MEXT (Ministry of Education, Culture, Sports, Science and Technology).

We yearn for continued outstanding success in this field and wish to expand summer schools and conferences further in the field of quantum computing based at Kinki University.

Finally, we would like to thank Ms Zhang Ji of World Scientific for her excellent editorial work.

Osaka, January 2008

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