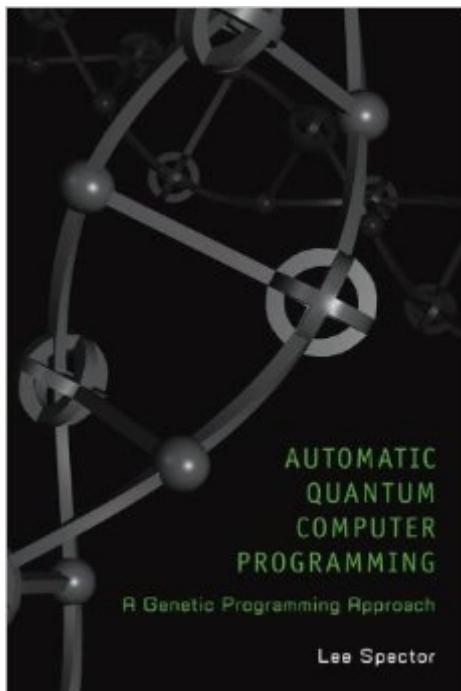


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# Automatic Quantum Computer Programming: A Genetic Programming Approach



## Synopsis

Once realized, the potential of large-scale quantum computers promises to radically transform computer science. Despite large-scale international efforts, however, essential questions about the potential of quantum algorithms are still unanswered. Automatic Quantum Computer Programming is an introduction both to quantum computing for non-physicists and to genetic programming for non-computer-scientists. The book explores several ways in which genetic programming can support automatic quantum computer programming and presents detailed descriptions of specific techniques, along with several examples of their human-competitive performance on specific problems.

## Book Information

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## Customer Reviews

The book provides you with an overview of quantum computer simulations. The elaboration is focused on generic and evolutionary computations and helps the reader to apply traditional algorithms in automatic programming and understanding the esults of various type of quantum computing problems.

It is a book that helps our students of doctorate.

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