

Annotated Bibliography

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Survey of Quantum Programming Frameworks: Annotated Bibliography

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Abstract—This document is a model and instructions for \LaTeX . This and the `IEEEtran.cls` file define the components of your paper [title, text, heads, etc.]. ***CRITICAL: Do Not Use Symbols, Special Characters, Footnotes, or Math in Paper Title or Abstract.**

Index Terms—component, formatting, style, styling, insert

I. INTRODUCTION

Quantum computing has fundamental implications for computation. Researchers are continuing to expand the understanding of what quantum computers can do while

II. TERM PAPER SUBTOPICS

A. *Overview of Quantum Computing*

Quantum Circuit Synthesis using Group Decomposition and Hilbert Spaces

Author(s): Michael S. Saraivanov

Publisher: MS, Portland State University

Date: 2013

Pages: 165

Relevance Quantum computing is currently at the gate level – when classical computing was at the level of ands, ors, nots etc. This thesis is a comprehensive overview of all the quantum operations that could be available to a quantum computer.

B. *Quantum Circuits*

C. *QASM*

D. *Python Frameworks*

E. *Implementation*

III. CONCLUSION