

PHYS 402 (Applications of Quantum Mechanics) Notes

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This document was typeset on April 30, 2022

Introduction:

This set of notes is based on UBC's PHYS 402 (Applications of Quantum Mechanics) course, taught by Dr. Robert Raussendorf. The course covers portions of the first five chapters of Sakurai's "Modern Quantum Mechanics", as well as some additional topics. If any errors are found in the notes, feel free to email me at ryoweil6@student.ubc.ca.

Contents

1	Fundamental Concepts	2
2	Quantum Dynamics	3
3	Entanglement	4
4	Symmetries and Angular Momentum	5
5	Approximation Methods	6

1 Fundamental Concepts

2 Quantum Dynamics

3 Entanglement

4 Symmetries and Angular Momentum

5 Approximation Methods