ARDEN RASMUSSEN AND SEAN RICHARDSON FEBRUARY 26, 2019

#### Contents

Mathematics		1
Part 1.	Calc III	2
Part 2.	Linear Algebra	3
Part 3.	Differential Equations	4
Part 4.	Partial Differential Equations	5
Part 5.	Discrete	6
Part 6.	Complex Variables	7
Part 7.	Real Analysis I	8
Part 8.	Real Analysis II	9
Physics		10
Part 9.	Motion	11
Part 10.	Waves and Matter	12
Part 11.	Electromagnetism	13
Part 12.	Thermo/Stats Mechanics	14
Part 13.	Computational Physics	15
Part 14.	Quantum Mechanics	16
Part 15.	Adv Electricity/Magnetism	17
Part 16.	Theoretical Dynamics	18
Computer Science		19
Part 17.	Theory of Computation	20
Part 18.	Computer Graphics	21
Part 19.	Adv Computer Graphics	22
Part 20.	Computer Architecture	23
Part 21.	AI and Machine Learning	24

# Mathematics

#### Part 1. Calc III

## Part 2. Linear Algebra

## Part 3. Differential Equations

## Part 4. Partial Differential Equations

#### Part 5. Discrete

## Part 6. Complex Variables

## Part 7. Real Analysis I

## Part 8. Real Analysis II

# Physics

#### Part 9. Motion

#### Part 10. Waves and Matter

## Part 11. Electromagnetism

## Part 12. Thermo/Stats Mechanics

## Part 13. Computational Physics

## Part 14. Quantum Mechanics

## Part 15. Adv Electricity/Magnetism

## Part 16. Theoretical Dynamics

# Computer Science

## Part 17. Theory of Computation

## Part 18. Computer Graphics

## Part 19. Adv Computer Graphics

## Part 20. Computer Architecture

## Part 21. AI and Machine Learning