

Schols Preperation

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17th Dec 2023

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1 Physics

1.1 Waves and Optics

KK Chapters 15, 16 KK Chapter 33-36

1.2 Special Relativity

KK Chapter 37, Lecture Slides

1.3 Quantum Mechanics

KK Chapter 38 - 41, Lecture Slides

1.4 Electromagnetism

HR Chapters 26 - 36, Lecture slides

1.5 Astrophysics

1.6 Materials

KK Chapters 17 - 18

1.7 Thermodynamics

KK 17, 19, 20

2 Mathematics

2.1 Single Variable Calculus

2.2 Linear Algebra

2.3 Advanced Calculus

2.4 Techniques in Theoretical Physics

2.5 Mechanics

2.6 Equations of Mathematical Physics

2.7 Advanced Classical Mechanics 1