1. Introduction

Measures (derivatives, differentials)

Mechanics classical (small velocity, macro sizes) PhD mistakes

Kinematics (scalars, vectors)

Statics (series in block stacking problem)

Dynamics (integral, differential equation)

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2.Statics (series in block stacking problem)

Dynamics (integral, differential equation)

2. Fracture

Fluid mechanics

Waves (trigonometry, partial derivatives)

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3. Thermodynamics

4.

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5-7. Yours (electromagnetism, etc.)

8. Midterm exam

9-11. Yours (electromagnetism, etc.)

12. Maxwell’s equations, solution (same as mechanical wave equation)

12. Quantum physics

13. Quantum physics

14. Particle physics

15. Relativity

16. Final exam