Applied Physics – 1 Playlist

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Unit 2

Simple Harmonic Motion - Equation of SHM II Periodic and Oscillatory Signal
Wave Motion - Equation of Wave II Applied Physics
Particle Velocity and Wave Velocity - Concept and Mathematical Relation
Differential Equation of Wave Motion - Derivation II Applied Physics
Introduction to Electromagnetic Theory - Topics to Study (Video Only for GGSIPU AP-1)
Introduction to Electromagnetic Theory – Gradient
Introduction to Electromagnetic Theory- Divergence
Introduction to Electromagnetic Theory – Curl
Electromagnetic Theory - Gauss' Law
Gauss Divergence Theorem and Stokes Theorem – Concept
Maxwell's Equations - 1st & 2nd Equation II Gauss Law in Electrostatics & Magnetostatics
Maxwell's 3rd Equation II Faraday's Law of Electromagnetic Induction II Integral & Differential Form
Maxwell's 4th Equation - Modified Ampere Circuital Law II Integral and Differential Form
Maxwell's Equation - Integral and Differential Form (Summary) II Significance of Maxwell's Equation
Equation of Continuity - Electromagnetism II Conservation of Charge
Work done by Electromagnetic Field
Poynting Theorem - Energy In Electromagnetic Waves II Poynting Vector