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The wave equation follows, along with the wave speed equal to that of light ( $3 \times 10^8$ ), suggesting (correctly) that light is an electromagnetic wave. The vector relationship between the electric field, the magnetic field and the direction of wave propagation is described.

Preface 1. Electromagnetic field theory 2. Vector analysis 3. Electrostatics 4. Steady electrical currents 5. Magnetostatics 6. Applications of static fields 7.

spanning the entire electromagnetic spectrum, from d.c. to light. As such, in the context of engineering education, it is fundamental to the study of electrical and computer engineering. While the fundamentals of electromagnetic fields remain the same, the manner in which they are taught may change with the passing of time owing to the

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