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Travelling Electromagnetic Waves

Oscillating Electric Dipole

Dipole Antenna

Impedance Matching

Maximum Power Transfer

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Chapter 1. Background

Chapter 2. Review of Wave Equation

Chapter 3. Maxwell's Equations

Chapter 4. Light as an Electromagnetic Wave

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Batteries

Terminology

Energy Source a Magnet

Magnetic Meter

Bh Curve

Choosing the Material

Multiple Unit Systems

Conversion Factors

Magnetic Circuit

Units for Reluctance

The Area of the Gap

The Flux Density

Residual Magnetism

Hysteresis

Integrator Drifting

Ferrite Transformer

The Coercivity of a Material

Winding a Toroid

Ferrite

Flyback Transformer

Microwave Oven Transformer

Magnetic Field Circuit Diagram

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Example One

Find the Magnetic Field Intensity

Magnetic Field Strength

Magnetic Field Intensity

Find the Magnetic Flux Density

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Fringing Effect

Equivalent Electrical Circuit

Reluctance

Equivalent Reluctance

Current Divided Rule

## Effective Cross Section Area

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