

## **8.02x Electricity and Magnetism**

### **Problem Set 11**

**Issued:** Sun, April 24

**Due:** Fri, April 29, 4PM <- note Date & Time!

**Note that Exp AMP check-off and write-up are also due 4/29**

#### **Reading suggestions (from Young&Freedman)**

Mon, 4/25: RLC circuits, Resonance: 30-6, 31-3,31-5

Wed, 4/27: Displacement current, Maxwell's Equations: 29-7

Fri, 4/29: Electromagnetic Waves: 32-1 to 32-3

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#### **Problem 1 (10 points)**

How do you know that sound is not an electromagnetic wave? What kind of wave is it?

#### **Problem 2(10 points) Young & Freedman 29.38**

#### **Problem 3(10 points) Young & Freedman 32.6**