

PHYS 401: Electricity & Magnetism I  
Due date: none – problem set is ungraded

**“Problem Set #12” – Chapter 7 practice problems**

- 1) Problem 7.6: EMF for circuit inside a capacitor**
  
- 2) Problem 7.7: Induced voltage, current, and force**
  
- 3) Problem 7.9: Magnetic flux**
  
- 4) Problem 7.17: Solenoid and induced EMF & current**
  
- 5) Problem 7.24: Inductance of a solenoid**
  
- 6) Problem 7.30: Inductance of a coaxial cable**
  
- 7) Problem 7.35: Maxwell’s displacement current**