

# List of Demos

- Thrust bar magnet through coil and measure the current in galvanometer. Increase number of coils
- Compare simple electric circuit- light bulb and battery with bar magnet and coil.
- Coil connected to AC source will induce current to light up bulb in second coil.
- Gray magnet, solenoid, and two LED's, push and pull, shows that different LED's light up. Lenz's Law
- Hanging aluminum ring with gray magnet. Lenz's Law
- Jumping aluminum ring from core of solenoid powered by an AC source. Press the button.
- Slowing down of swinging copper pendulum between poles faces of a magnet. Eddy Currents
- Two large copper disks with two magnets
- Neodymium magnet swinging over copper strip. Eddy currents
- Neodymium magnet falling through copper pipe. Cool with liquid nitrogen. Eddy currents
- Inductive spark after turning off electromagnet. Inductance.