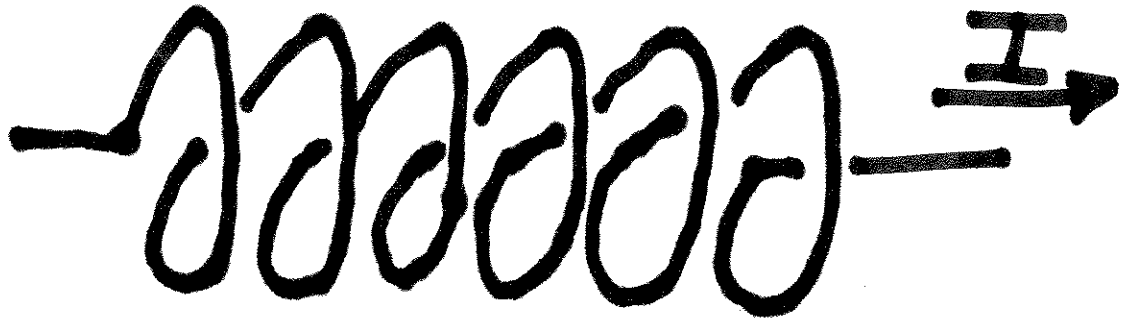


Lecture

3/15/05

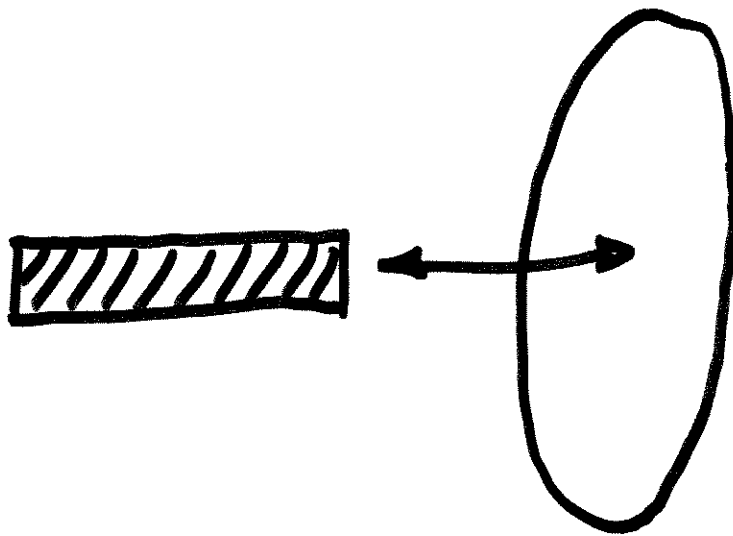
CLICKER

WHAT HAPPENS IF WE WRAP THE WIRE INTO A COIL?



1. The turning current cancels out the field.
2. There's a field inside the coil but little or none outside.
3. The opposite of 2.
4. There's a field both inside and outside.

ANOTHER CONNECTION BETWEEN ELECTRICITY AND MAGNETISM



INDUCTION!