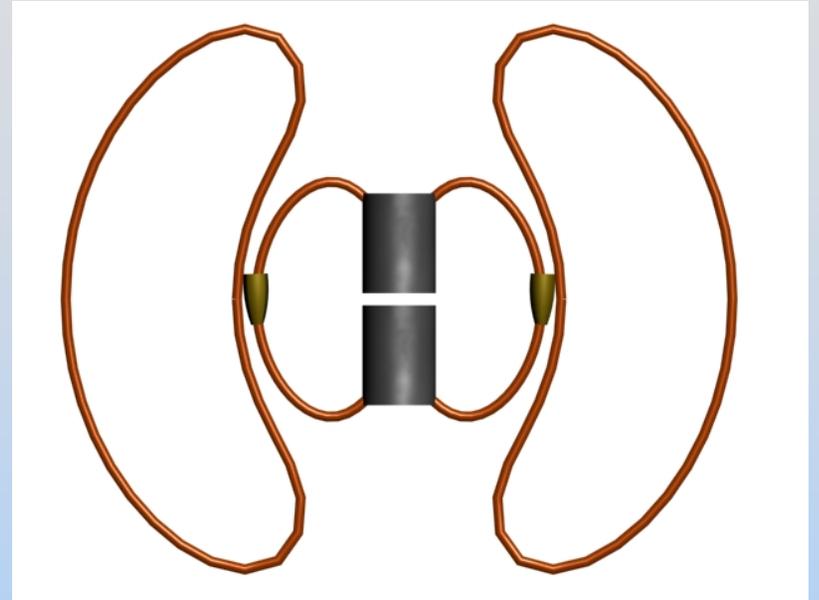


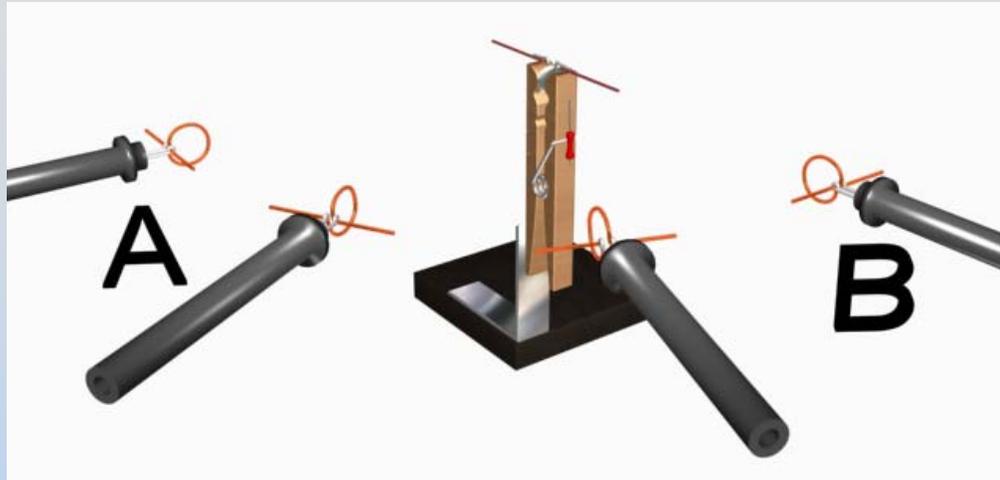
Concept Question: Spark Gap

At the time shown the charge on the top half of our 1/2 wave antenna is positive and at its maximum value. At this time the current across the spark gap is



1. Zero
2. A maximum and downward
3. A maximum and upward
4. Can't tell from the information given
5. I don't know

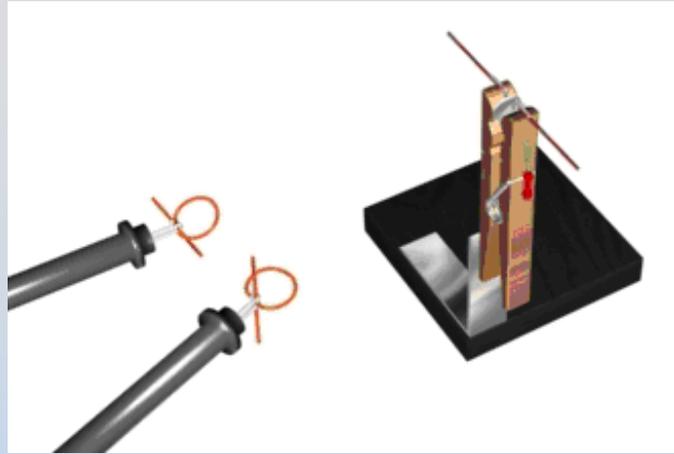
Concept Q.: Angular Dependence



As you moved your receiving antenna around the spark gap transmitting antenna as above, you saw

1. Increased power at B compared to A
2. Decreased power at B compared to A
3. No change in power at B compared to A
4. I don't know

Concept Question: Polarization



When located as shown, your receiving antenna saw maximum power when oriented such that

1. Its straight portion was parallel to the straight portion of the transmitter
2. Its straight portion was perpendicular to the straight portion of the transmitter
3. I don't know

MIT OpenCourseWare
<http://ocw.mit.edu>

8.02SC Physics II: Electricity and Magnetism
Fall 2010

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.