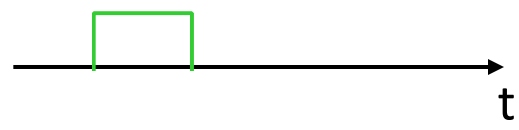
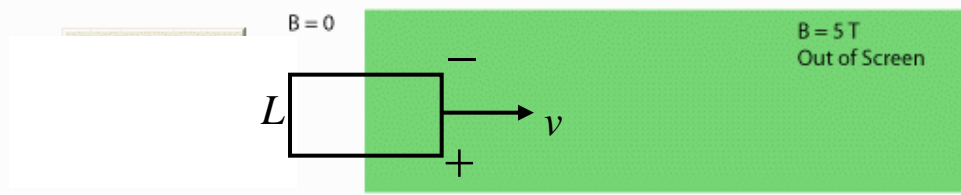
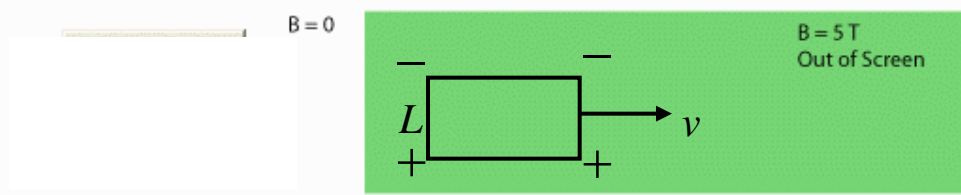


A wire loop travels to the right at a constant velocity. Which plot best represents the induced current in the loop as it travels from left of the region of magnetic field, through the magnetic field, and then entirely out on the right side?



Only leading side has charge separation
 $emf = BLv$ (cw current)

A wire loop travels to the right at a constant velocity. Which plot best represents the induced current in the loop as it travels from left of the region of magnetic field, through the magnetic field, and then entirely out on the right side?



Leading and trailing sides have charge separation
 $emf = BLv - BLv = 0$ (no current)

A wire loop travels to the right at a constant velocity. Which plot best represents the induced current in the loop as it travels from left of the region of magnetic field, through the magnetic field, and then entirely out on the right side?



Only trailing side has charge separation
 $emf = BLv$ (ccw current)

