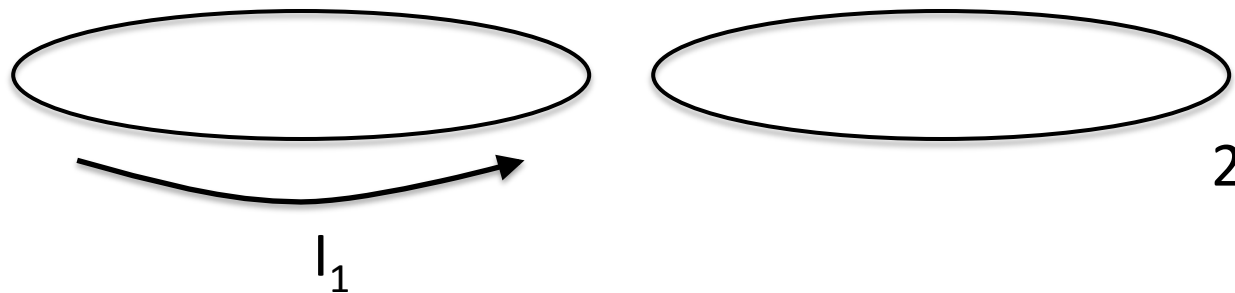
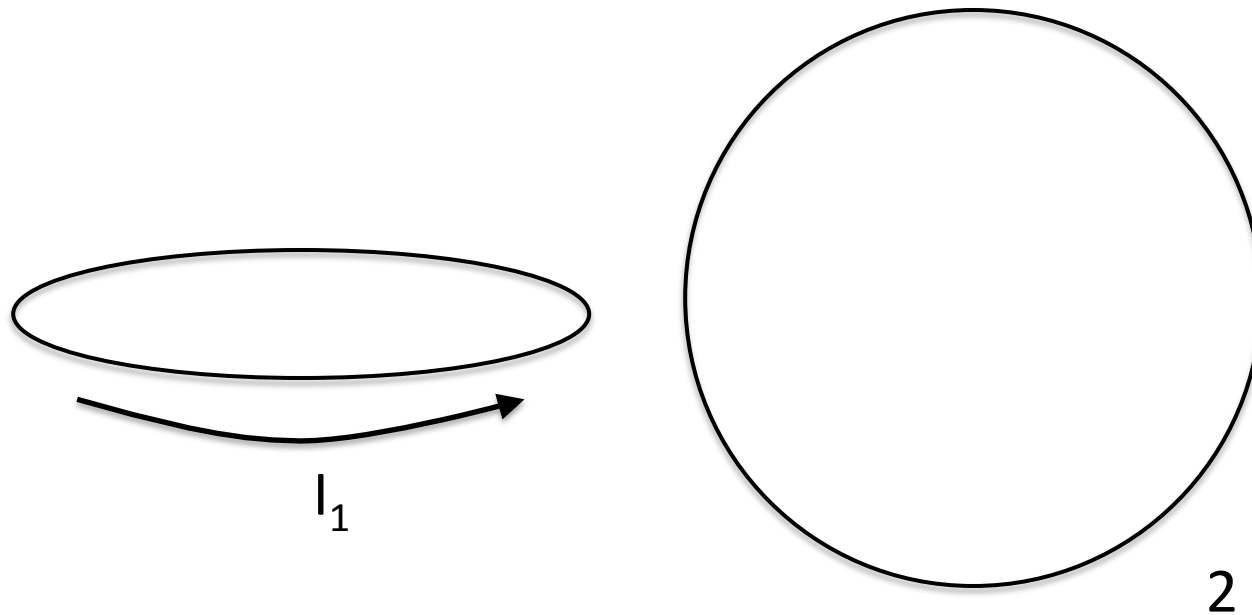


The current I_1 in loop 1 is increasing. What is the direction of the induced current in loop 2, which lies in the same plane as loop 1?



- A. The same direction as I_1
- B. The opposite direction as I_1
- C. There is no induced current
- D. Need more information

The current I_1 in loop 1 is decreasing. What is the direction of the induced current in loop 2, which lies in a plane that is perpendicular to loop 1 and that contains the center of loop 1?

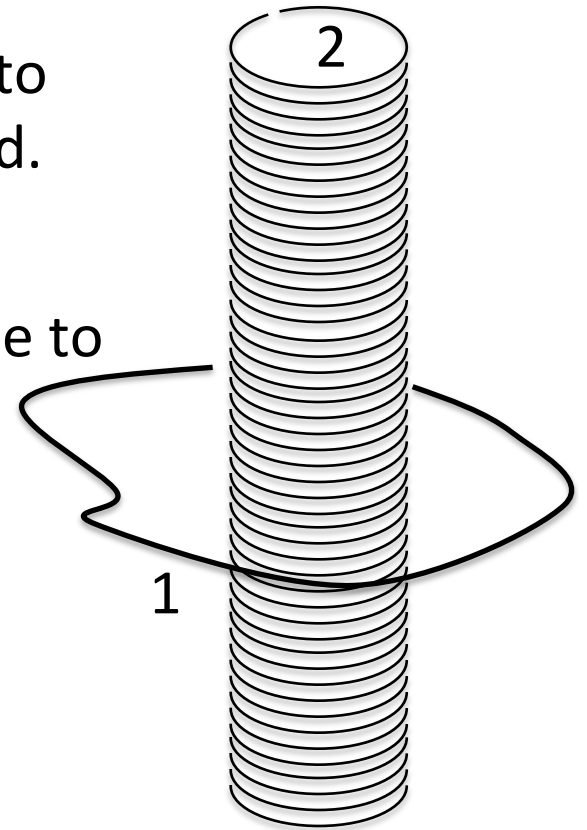


- A. CW
- B. CCW
- C. There is no induced current
- D. Need more information

A loop of wire 1 is around a very long solenoid 2.

$\Phi_1 = M_{12} I_2$ = the flux thru loop 1 due to the current in the solenoid.

$\Phi_2 = M_{21} I_1$ = the flux thru solenoid due to the current in the loop 1



Which is easier to compute?

A) M_{12}

B) M_{21}

C) equally difficult to compute