Induced emf and electric field along an imaginary contour. If the loop in Fig. Q6.4 is an imaginary (nonmaterial) contour, in place of a conducting wire loop, which of the two quantities, the induced electromotive force (e_{ind}) and induced electric field intensity (E_{ind}), along the contour remain the same as along the conducting wire?

(A) e_{ind} only.
(B) E_{ind} only.
(C) Both quantities.
(D) None of the quantities.

Solution: (C)
Answer: (C)