
Change of currents in magnetically coupled contours. The mutual inductance L_{12} of the two contours in Fig. Q7.4 will change if

- (A) the current i_1 is doubled and i_2 remains the same.
- (B) the current i_2 is doubled and i_1 remains the same.
- (C) both currents are doubled.
- (D) both currents remain the same.
- (E) more than one of the cases.
- (F) none of the above cases.

Solution: (F)

Answer: (F)