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*Change of current due to a change of field intensity.* A metallic conductor carries a steady current of intensity  $I$ . If the electric field intensity at every point in the conductor is doubled, the current intensity of the conductor in the new steady state equals:

- (A)  $I/2$ .
- (B)  $I$ .
- (C)  $2I$ .
- (D)  $4I$ .

*Solution: (C)*

*Answer: (C)*