Losses due to eddy currents at a higher frequency. If the frequency of the applied time-harmonic magnetic field in any of the two cores in Fig. Q6.11 is doubled, the new time-average power of Joule's losses in the core equals k times its previous value, where

(A) $k = 2$.
(B) $k > 2$.
(C) $k = 1/2$.
(D) $k < 1/2$.
(E) $k = 1$.

Solution: (B)
Answer: (B)