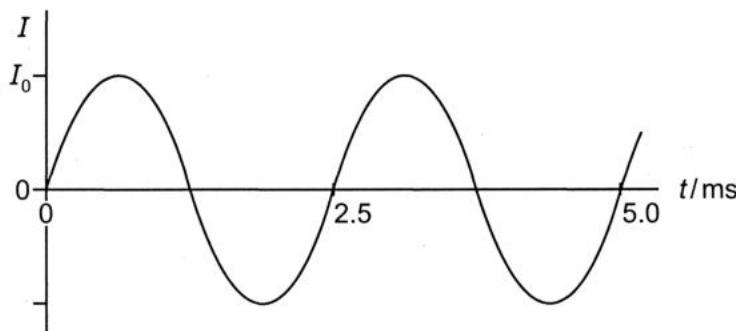


34 The graph shows how an alternating current I of peak value I_0 varies with time t .



Which expression gives the alternating current I ?

- A** $I = I_0 \sin(5\pi t)$
- B** $I = I_0 \sin\left(\frac{2\pi t}{2.5}\right)$
- C** $I = I_0 \sin\left(\frac{\pi t}{0.0025}\right)$
- D** $I = I_0 \sin(800\pi t)$