CLPhys1 16.P.026. (382312)

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Answer Format Tips

Tuning Fork The end of one of the prongs of a tuning fork that executes simple harmonic motion of frequency 775 Hz has an amplitude of 0.65 mm.

(a) Find the magnitude of the maximum acceleration of the end of the prong.

_____ m/s^2

(b) Find the maximum speed of the end of the prong.

_____ m/s

(c) Find the magnitude of the acceleration of the end of the prong when the end has a displacement of 0.55 mm.

_____ m/s^2

(d) Find the speed of the end of the prong when the end has a displacement of 0.55 mm.

_____ m/s

Question Details

Name (QID): **CLPhys1 16.P.026. (382312)**
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Textbook
Cummings, Laws, Redish, and Cooney, "Understanding Physics", ed.1

Chapter
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