

CLPhys1 17.P.029. (384668)

Test / Preview

Code

Previewer Tools

[Show New Randomization](#)[Open in Editor](#)[Print](#)Show: [All](#), [None](#) ☐ Key ☐ Solution ☐ Help/Hints ☐ Mark☐ Answer Format Tips

Nylon Guitar String A nylon guitar string has a linear density of 7.0 g/m and is under a tension of 152 N . The fixed supports are 90 cm apart. The string is oscillating in the standing wave pattern shown in Fig. 17-35.

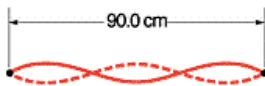


Figure 17-35

Calculate the following values of the traveling waves whose superposition gives this standing wave.

(a) speed

 m/s

(b) wavelength

 cm

(c) frequency

 Hz

Question Details

Name (QID): CLPhys1 17.P.029. (384668)

Usable/Draft: Usable

Locked: Yes

Mode: Numerical

Author: WebAssign Staff (support@webassign.net)

Permission: Copyright

Textbook

Cummings, Laws, Redish, and Cooney, "Understanding Physics", ed. 1

Chapter

17

Last Saved: Aug 11, 2006 03:13 PM EDT