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.

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

(a) speed m/s
(b) wavelength cm
(c) frequency Hz

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

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