

Physics 231 - 29-Nov-99



- | Announcements

- | Wave Motion

 - | Transverse Waves

 - | Longitudinal Waves

- | Quiz

Wave Motion



- Transverse Waves

- Longitudinal Waves

Q1 - Answer = c

Q2 - Problem A - Last name A-K

The C string on a cello produces a fundamental frequency of 65.4 Hz. If its linear density is 1.56×10^{-2} kg/m and its length 0.8 m, what is the tension in the string?

- A. 121 N
- B. 171 N
- C. 267 N
- D. 343 N
- E. 7×10^5 N

Q1 - Answer = c

Q2 - Problem B - Last Name L-Z

A wire of linear density 0.0140 kg/m at a tension of 323 N is stretched between two poles 19.0 m apart. What is the lowest frequency sound this wire could produce?

- A. 2 Hz
- B. 4 Hz
- C. 0.25 Hz
- D. 152 Hz
- E. 76 Hz