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 5.4 Hz. If its linear density is $1.56 \times 10^{-2}$ 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. $7 \times 10^5$ N
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