temperature is 27^oC. Find the tension in the wire. Given, the velocity of sound in air at 0^oC is 331m/s and the density of steel is $7800kg/m^3$. **[20.5N]** 3

e. A sonometer wire is stretched by a cylinder having a density of $800kg/m^3$ to produce a fundamental frequency of $256Hz$. What will be the new fundamental frequency if the cylinder is completely immersed in water? **[239Hz]** 3

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