

FIG. 12. Distorted air columns.

**The Tuning Fork:** Vibrations of a metal bar clamped @ one end (math not simple..):

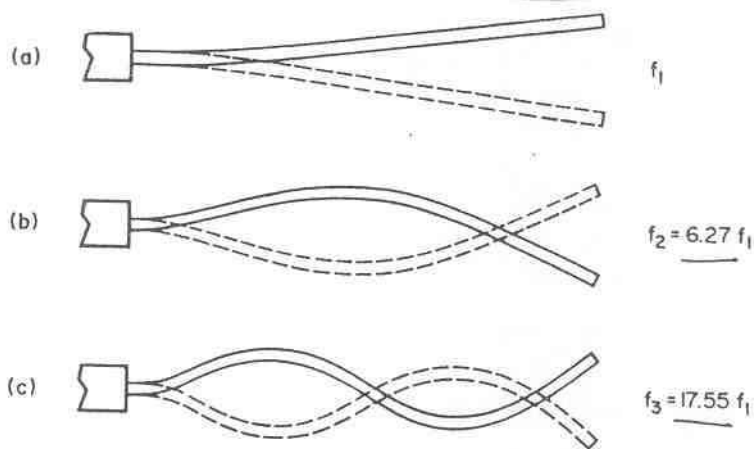


FIG. 13. First three transverse vibration modes of a metal bar clamped at one end.

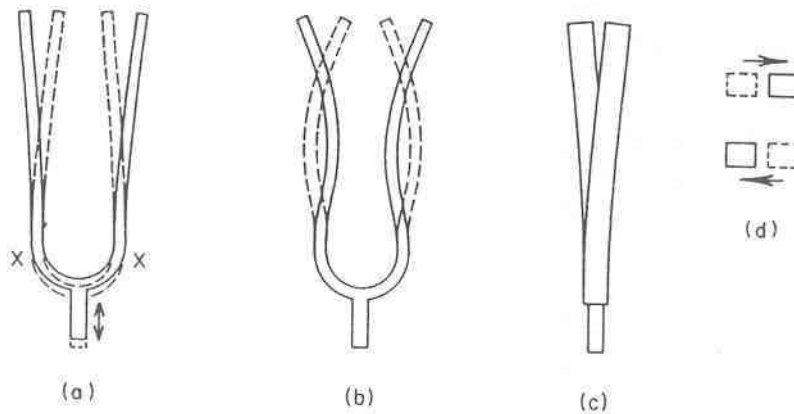


FIG. 14. Vibrations of a tuning fork. (a) Normal vibration. (b) Clang tone. (c) Another mode of vibration. (d) End view of this mode.