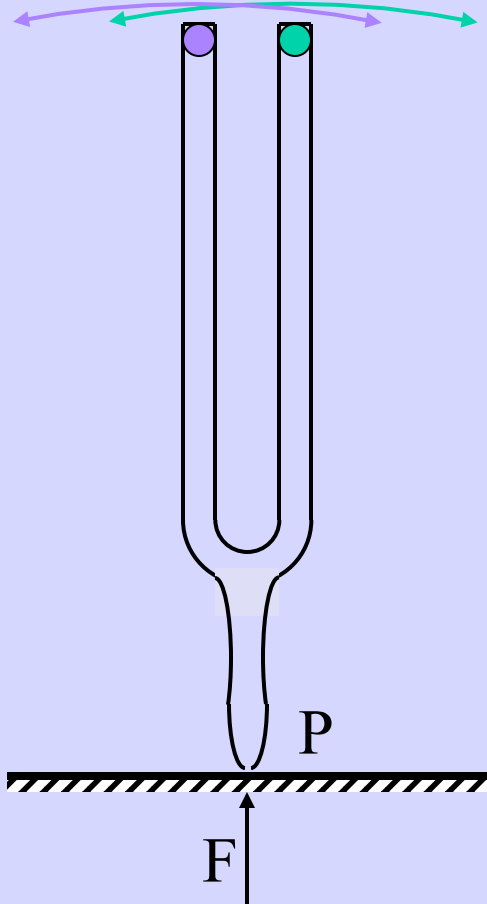


Tuning Fork:

“P” is a nodal point, so why do we get more sound when “P” is put on a table?



The tips of the tuning fork move on the arcs of circles and centrifugal inertia forces are generated, twice per cycle.

Suppose tip amplitude is 0.2mm, oscillating frequency is 440Hz, moving mass is 20% of the fork mass, then the 880Hz component of tip force F is about 10% of the weight of the fork.