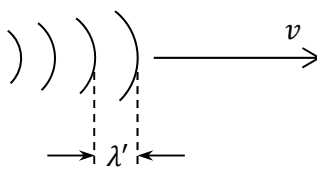


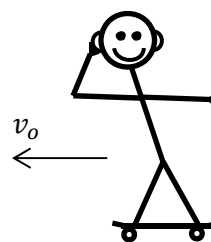
Source plays frequency  $f$



speed of sound:  $v$

speed of source:  $v_s$

speed of observer:  $v_o$



Observer hears frequency  $f'$