Doppler Effect moving observer (v_o)

- When moving toward source ($v_o < 0$)
  - ➔Time between waves peaks decreases
  - ➔Frequency is higher

- When away from source ($v_o > 0$)
  - ➔Time between waves peaks increases
  - ➔Frequency is lower

- $f_o = f_s \ (1 - v_o/v)$

Combine: $f_o = f_s \ (1-v_o/v) \ / \ (1-v_s/v)$