

Doppler sign convention

Doppler shift: $f_o = f_s (1 - v_o/v) / (1 - v_s/v)$

$v_s = v(\text{source})$

+ If *same* direction as sound wave

$v_o = v(\text{observer})$

- If *opposite* direction to sound wave

$v = v(\text{wave})$