

Gabarito Lista 8 - Som

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1. (a) $f_0 = c/\lambda_0$.
(b) $\lambda = 4\lambda_0$.
(c) $H = 2cT - 4h$.
2. (a) $I_A = P_0/4\pi d_A^2$.
(b) $I_B = P_0/4\pi d_B^2$.
(c) $\beta_A - \beta_B = 20 \log_{10} (d_B/d_A)$.
3. $\beta = \beta_0 - 10 \log_{10} 4$.
4. (a) $f = (11/9)f_0$.
(b) $f = (23/19)f_0$.
(c) $f = (21/17)f_0$.
5. (a) $f_1 = \frac{f_0}{(1 - v/c)}$.
(b) $f_2 = f_0 \frac{(1 + v/c)}{(1 - v/c)}$.
6. $f'_0/f_0 = 2$.