



plane wave $p(x, y, z, t) = p_0 \cos\left(2\pi f t - \frac{2\pi f x}{c} + \phi_0\right)$

$f = \frac{1}{T}$ $\lambda = \frac{c}{f}$ $\lambda = \frac{c}{\frac{1}{T}} = cT$