

























Find the dog

$$\omega = kv_0?$$
Interpret

$$\omega = 2\pi f = \frac{2\pi}{T} \qquad k = \frac{2\pi}{\lambda}$$

$$\omega = kv_0 \implies 2\pi f = \frac{2\pi}{\lambda}v_0 \quad \text{or}$$

$$f\lambda = v_0 \qquad \text{(famous wave formula)}$$
Interpret

$$\frac{1}{T}\lambda = v_0 \implies \lambda = v_0T$$
47/17
Physics 132
22

