

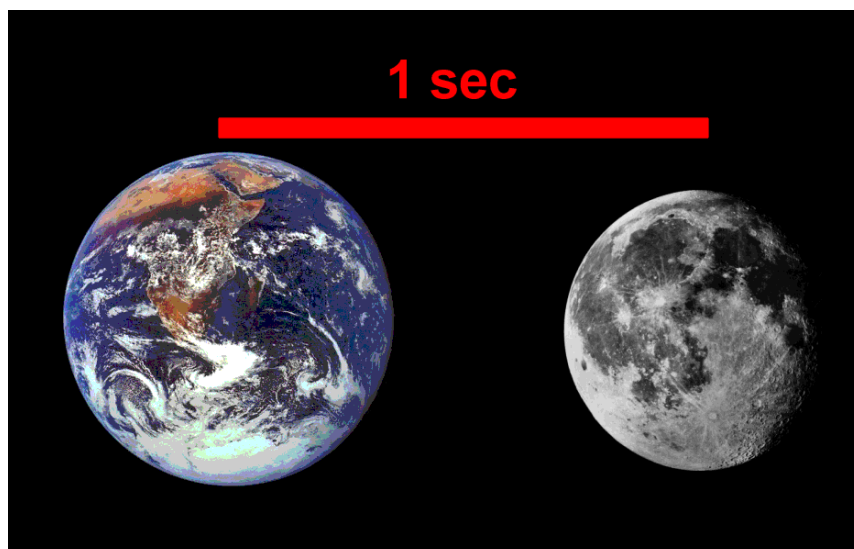
# Frekvence, perioda, dráha světla

1

## 1 Hz

$$c = 299\,793 \text{ km/s}$$

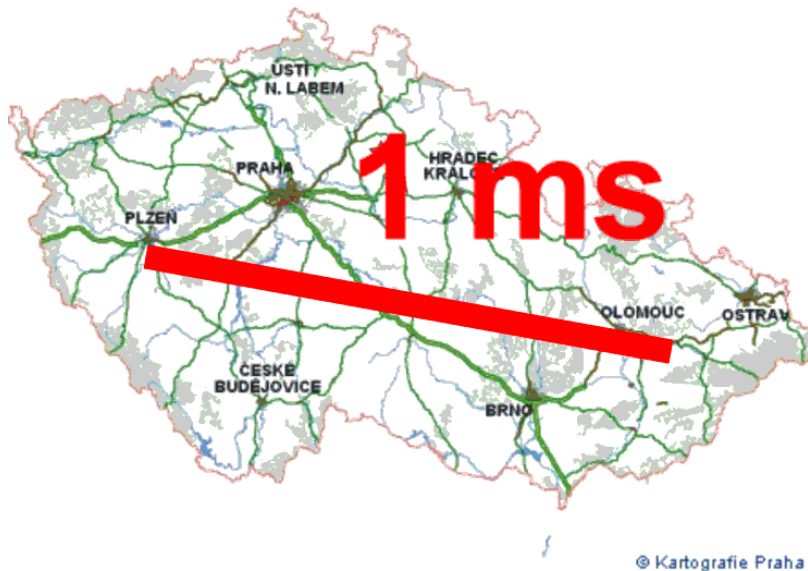
$$1 \text{ Hz} \Leftrightarrow 1 \text{ sec}$$



2

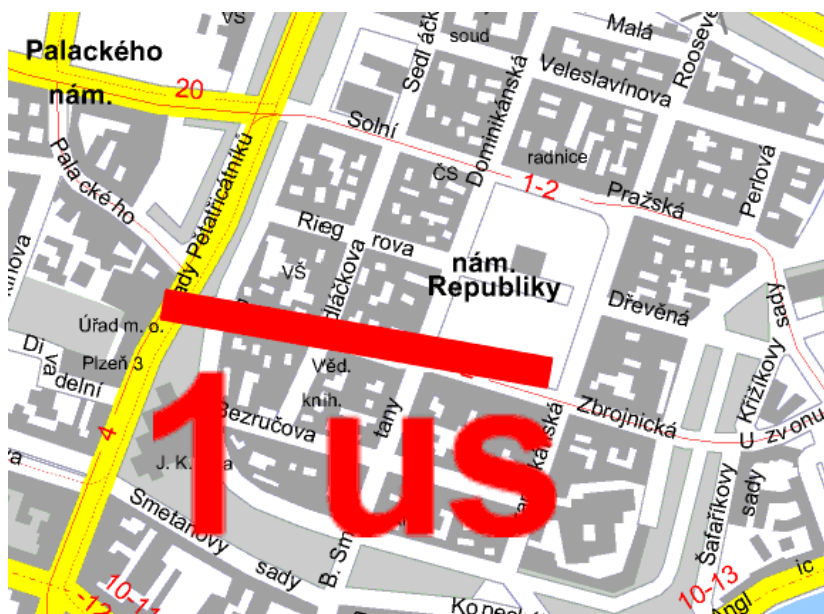
# 1 kHz

## 1 kHz $\Leftrightarrow$ 1 ms



# 1 MHz

## 1 MHz $\Leftrightarrow$ 1 $\mu$ s

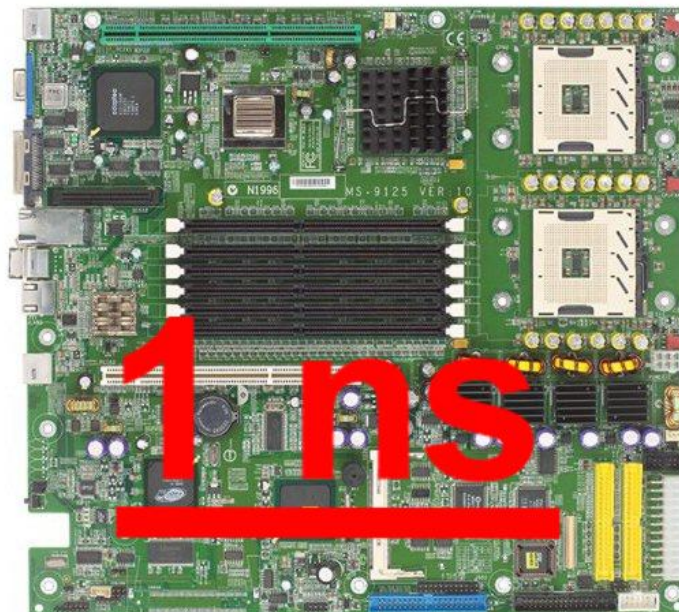


**100 MHz**

$$v = \frac{1}{\sqrt{(R + j\omega L) \cdot (G + j\omega C)}}$$

**100 MHz  $\Leftrightarrow$  10 ns****10 ns**

5

**1000 MHz****1000 MHz  $\Leftrightarrow$  1 ns**

6