

單位轉換

$$M = 10^6 = 1,000,000$$

$$k = 10^3 = 1,000$$

$$c = 10^{-2} = 0.01$$

$$m = 10^{-3} = 0.001$$

$$\mu = 10^{-6} = 0.000\,001$$

$$n = 10^{-9} = 0.000\,000\,001$$

單位轉換例子

$$1\,m = 100\,cm$$

$$\begin{aligned} 1\,m^2 &= 1(100\,cm)^2 \\ &= 10000\,cm^2 \end{aligned}$$

$$\begin{aligned} 1\,m^3 &= 1(100\,cm)^3 \\ &= 1000000\,cm^3 \end{aligned}$$

$$\begin{aligned} 1\,m^{-1} &= 1(100\,cm)^{-1} \\ &= 0.01\,cm^{-1} \end{aligned}$$

$$\begin{aligned} 1\,km\,h^{-1} &= 1\,(1000m)(60 \times 60s)^{-1} \\ &= \frac{1000}{3600}\,ms^{-1} \\ &= \frac{5}{18}\,ms^{-1} \end{aligned}$$

$$\begin{aligned} 1\,m\,s^{-1} &= 1\,(\frac{1}{1000}km)(\frac{1}{60 \times 60}h)^{-1} \\ &= 3.6\,km\,h^{-1} \end{aligned}$$

呢度係想同你講，啲國際單位整出嚟係有用□。
單位轉換可以用一套固定嘅形式去進行。