

$$N_{960 \text{ hPa}} =$$

$$P_{\text{mesurée}} = q \cdot N$$

$$N = \frac{P_{\text{mesurée}}}{q}$$

$$N = \frac{960 \cdot 10^{-1}}{0,0611} \approx 1571$$

| k | h | da | |

1/5

$$q = \frac{P_{\text{pleine échelle}}}{2^m - 1}$$

$$q = \frac{250}{4095} \approx 0,0611 \text{ kPa/bil}$$

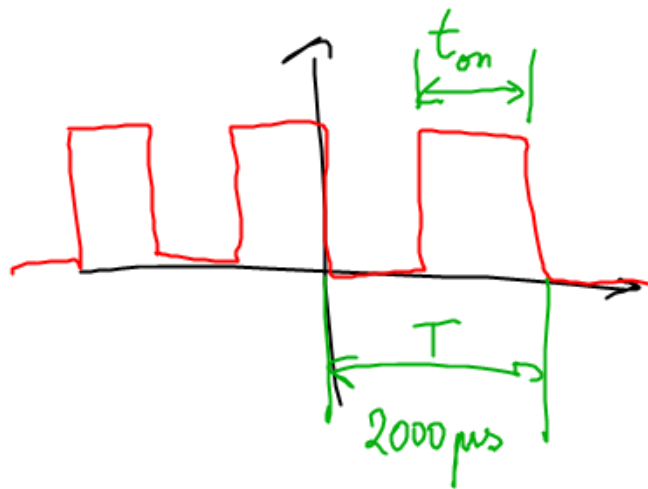
$$\boxed{0,153}$$

$$\approx 0,2$$

$$\text{taux erreur} = \frac{\Delta \text{valeurs}}{\text{valeur ref.}} = \frac{0,047}{0,153} \approx 30,7\%$$

$$6,11 \text{ Pa/bit} = \underbrace{0,0611}_{\text{3 chiffres sign.}} \text{ kPa/bit}$$

$$6,11 \cdot 10^1 \text{ Pa/bit} = 6,11 \cdot 10^{-2} \text{ kPa/bit}$$



$$\alpha = \frac{t_{on}}{T} (\text{en } \%)$$

$$V_{moy} = \alpha \cdot V_{max}$$

$$T = 2000 \mu s$$

$$f = \frac{1}{T}$$

$$f = \frac{1}{2000 \cdot 10^{-6}}$$

$$= 500 \text{ Hz}$$

$$G \quad 10^9$$

$$M \quad 10^6$$

$$k \quad 10^3$$

$$/$$

$$m \quad 10^{-3}$$

$$\mu \quad 10^{-6}$$

$$n \quad 10^{-9}$$

! écriture

KPa

h k k

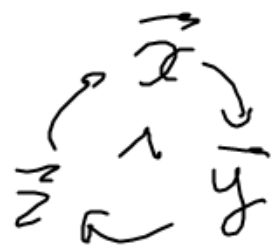
x y z
x y z

x +

X Y

x y z

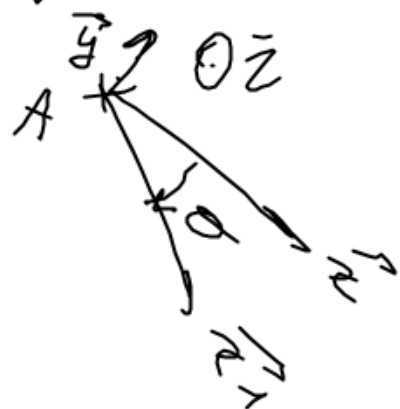
Vecteurs et trigonométrie en SI



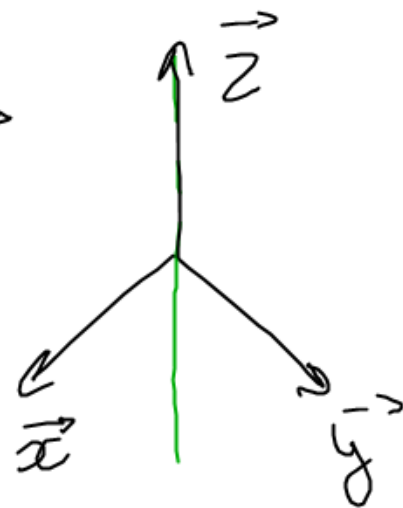
$$\vec{x} \cdot \vec{y} = 0$$

$$\vec{x} \wedge \vec{y} = \vec{z}$$

$$= \|\vec{x}\| \cdot \|\vec{y}\| \cdot \sin(\vec{x}, \vec{y}) \cdot \vec{z}$$

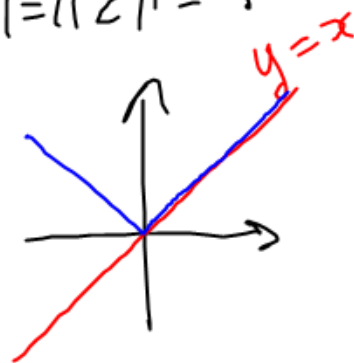


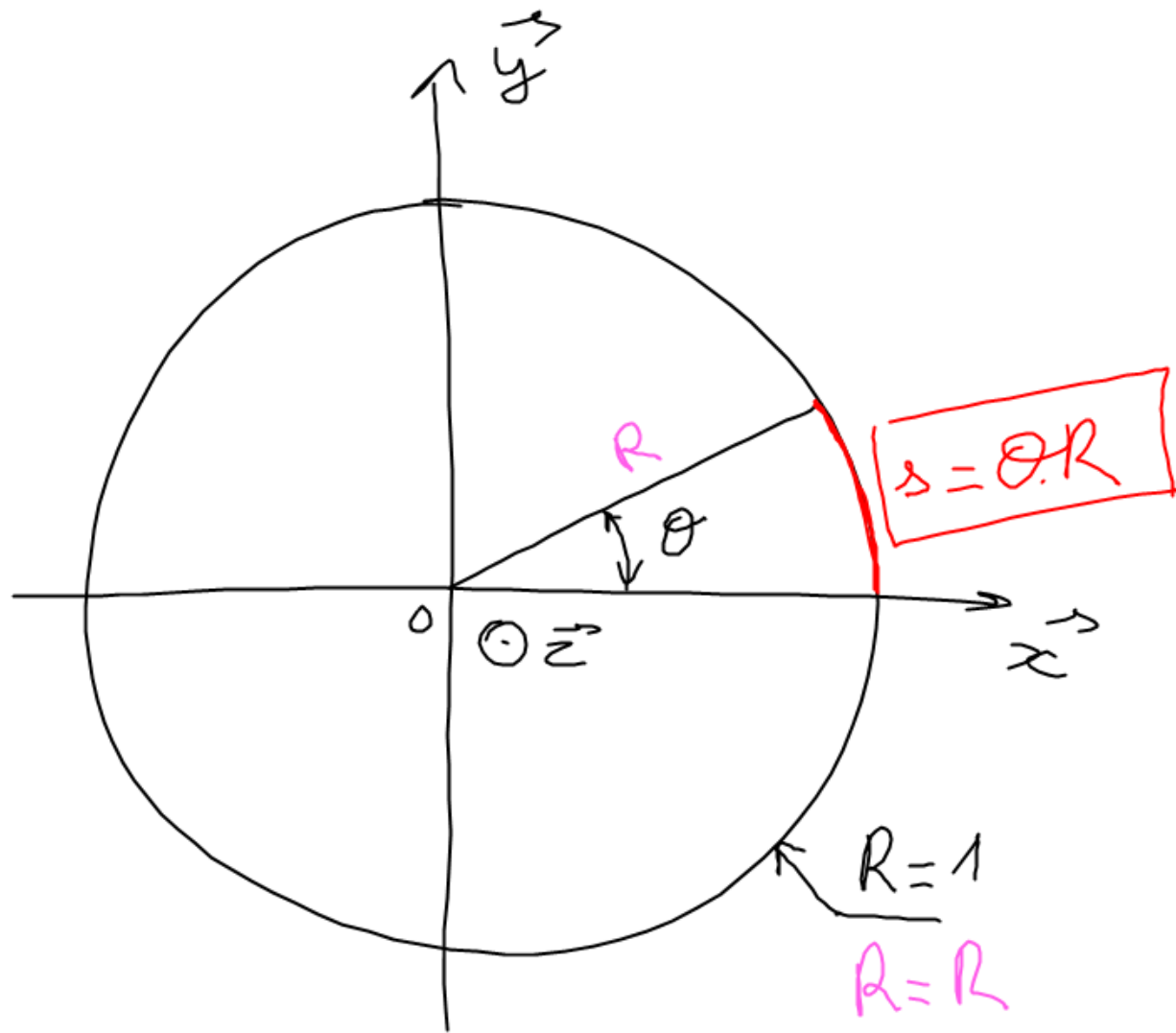
$$\vec{x} \wedge \vec{x}_1 = -\|\vec{z}\| \cdot \|\vec{x}_1\| \cdot \sin \theta \cdot \vec{z}$$



$$\|\vec{x}\| = \|\vec{y}\| = \|\vec{z}\| = 1$$

$$y = |x|$$





$$P = 2\pi R$$

$$P_{\text{circle}} = 2\pi$$

∴