

FIZEAU

1849

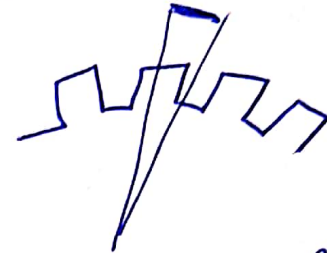
"vitesse de la lumière"

$N = 360$ dents

($N = 720$)



$L = 8,633 \text{ Km}$



PERIODE ROTATION

$T = 0,038 \text{ S}$

temp andata e ritorno per la luce

$\Delta t = \frac{2L}{c}$

$\Delta t = \frac{T}{2N}$

temp FESSURA - DENTE

$\frac{2L}{c} = \frac{T}{2N}$

$c = \frac{2L \cdot 2N}{T} = \frac{2 \cdot 8,633 \text{ Km} \cdot 2 \cdot 360}{0,038 \text{ S}} = 327.145 \frac{\text{Km}}{\text{S}}$