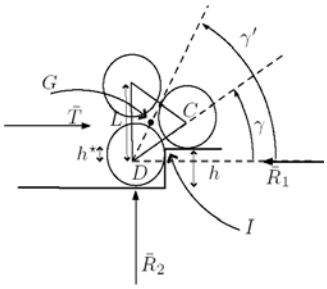
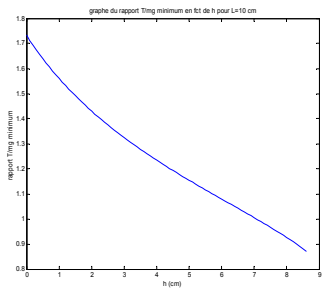
2003

Etudes théoriques

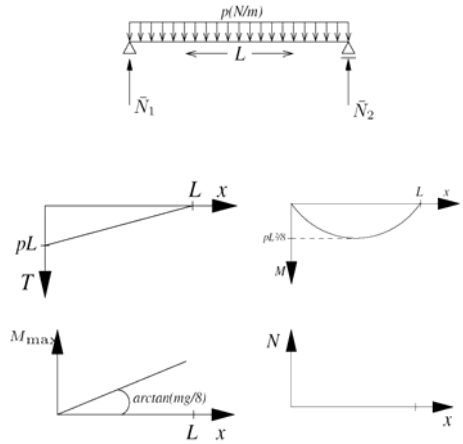
Étude de nouveaux modèles





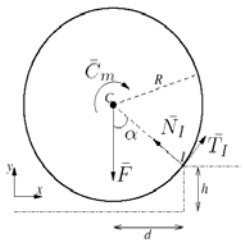
$$C > C_{mg} \iff \frac{T}{mg} > \frac{\frac{1}{2}\sqrt{L^2-h^2}+\frac{\sqrt{3}}{6}h}{\frac{\sqrt{3}}{6}\sqrt{L^2-h^2}+\frac{1}{2}h}$$

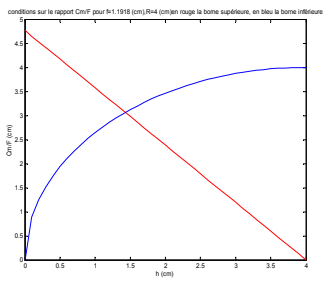
Études dimensionnelles



Passage de la marche

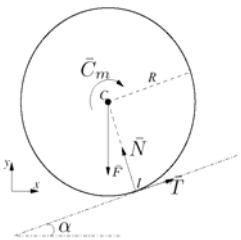
$$\alpha = \arccos\left(1-\frac{h}{R}\right)$$

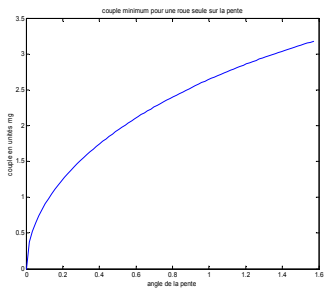




$$F\sqrt{2Rh-h^2} < C_m \leq f_0 F(R-h)$$

Passage de la pente





$$C_m = mg\left(\frac{1}{2}+\frac{h_G}{L}\tan\alpha_2\right)R\sin\alpha_2$$