

ERRATUM A TRACTION ELECTRIQUE, PAGES 52-53.

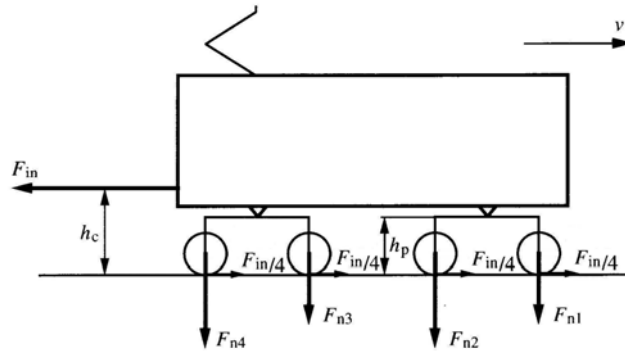


Fig. 3.19 Cabrage de l'engin de traction.

Soit M_{cc} le couple de cabrage de la caisse et F_p la surcharge du pivot de bogie :

$$M_{cc} = F_{in} (h_c - h_p) = F_p l_p \quad (3.29)$$

Soit M_{cb} le couple de cabrage d'un bogie et F_e la surcharge d'un essieu :

$$M_{cb} = 2 \frac{F_{in}}{4} h_c = F_e l_b \quad (3.30)$$

On en tire le poids adhérent de chaque essieu :

$$F_{n1} = \frac{m g}{4} - F_{in} \left(\frac{h_c - h_p}{2 l_p} + \frac{h_p}{2 l_b} \right)$$

$$F_{n2} = \frac{m g}{4} - F_{in} \left(\frac{h_c - h_p}{2 l_p} - \frac{h_p}{2 l_b} \right)$$

$$F_{n3} = \frac{m g}{4} + F_{in} \left(\frac{h_c - h_p}{2 l_p} - \frac{h_p}{2 l_b} \right)$$

$$F_{n4} = \frac{m g}{4} + F_{in} \left(\frac{h_c - h_p}{2 l_p} + \frac{h_p}{2 l_b} \right)$$

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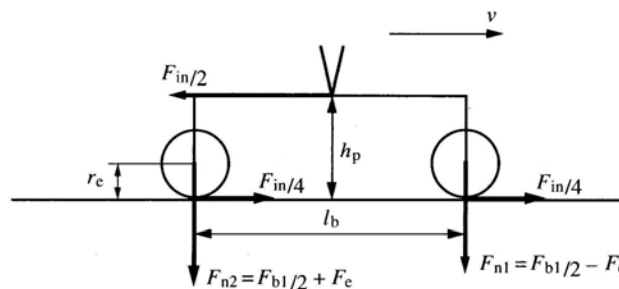


Fig. 3.21 Cabrage d'un bogie.