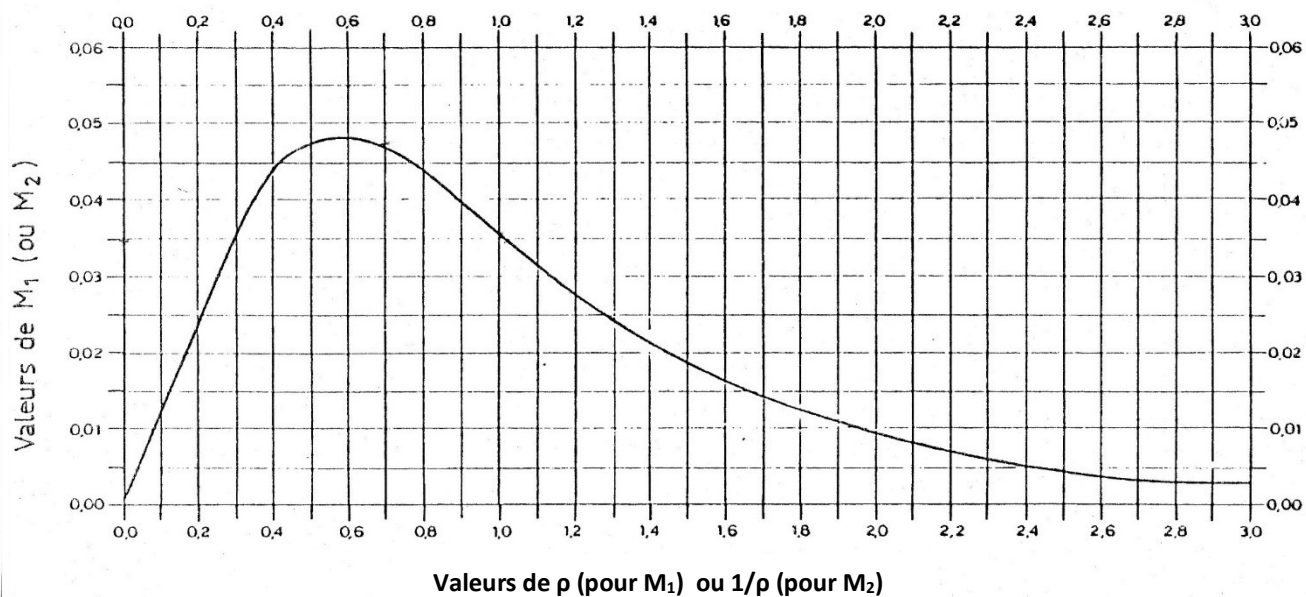


ANNEXE 1 : ABAQUES DE PIGEAUD

1) Cas de la charge uniformément répartie

$$\rho = \frac{a}{b} \quad (a < b)$$

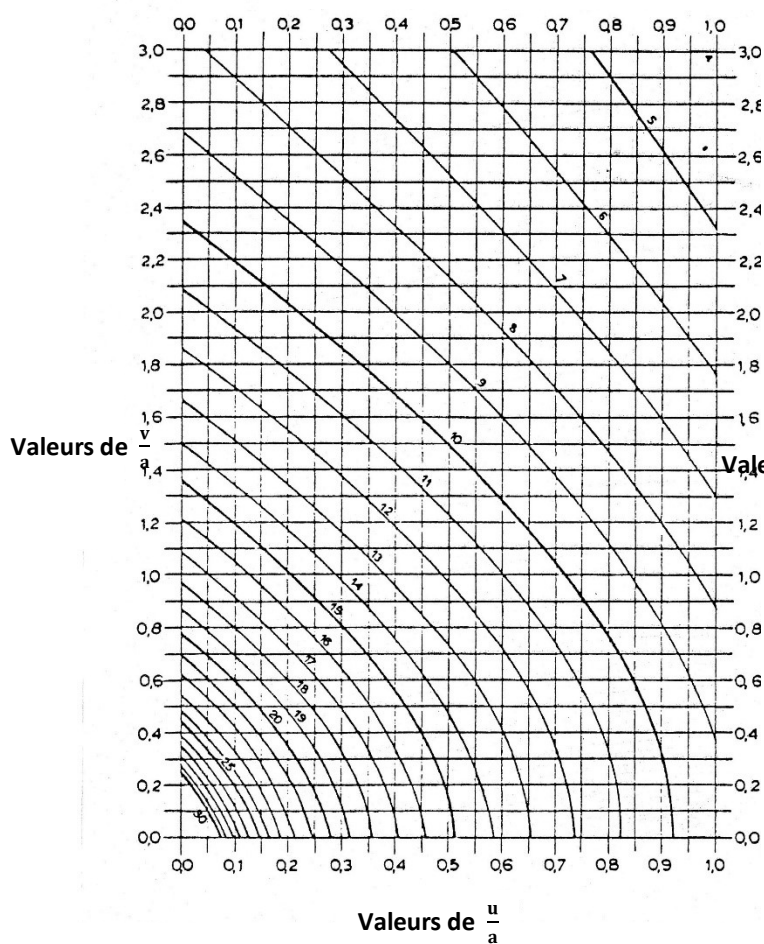


2) Cas de la charge répartie sur un rectangle d'impact

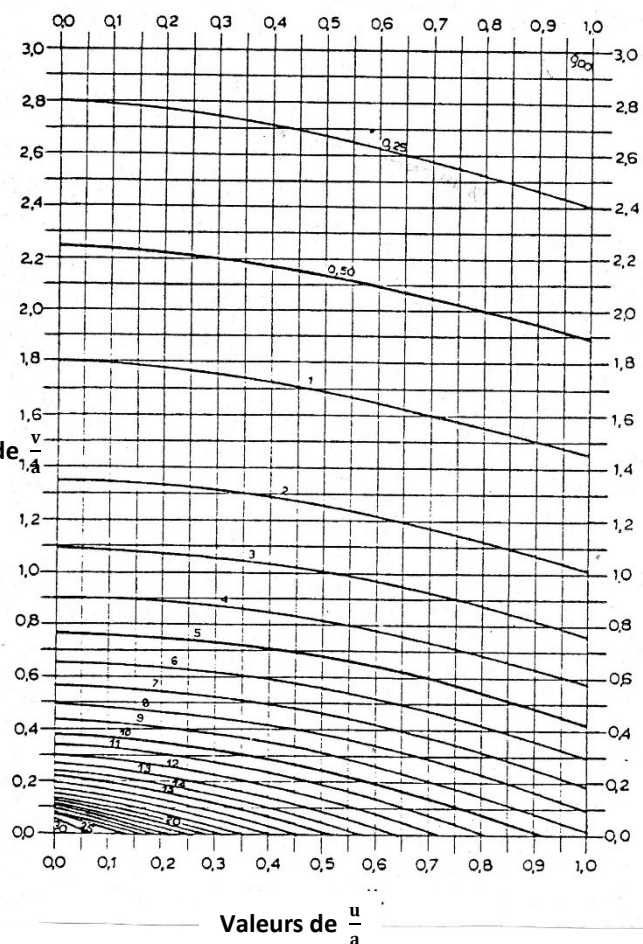
$$\rho = 0$$

(b très grand par rapport à a)

a) Valeurs de $M_1 \times 10^2$



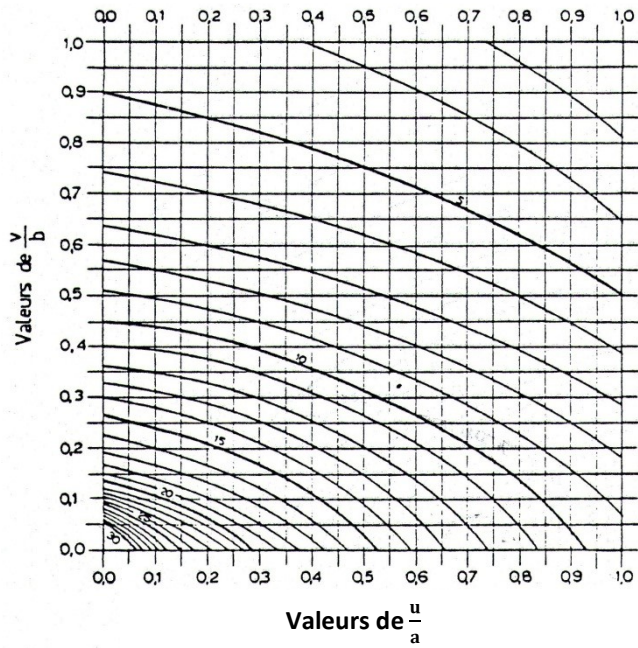
b) Valeurs de $M_2 \times 10^2$



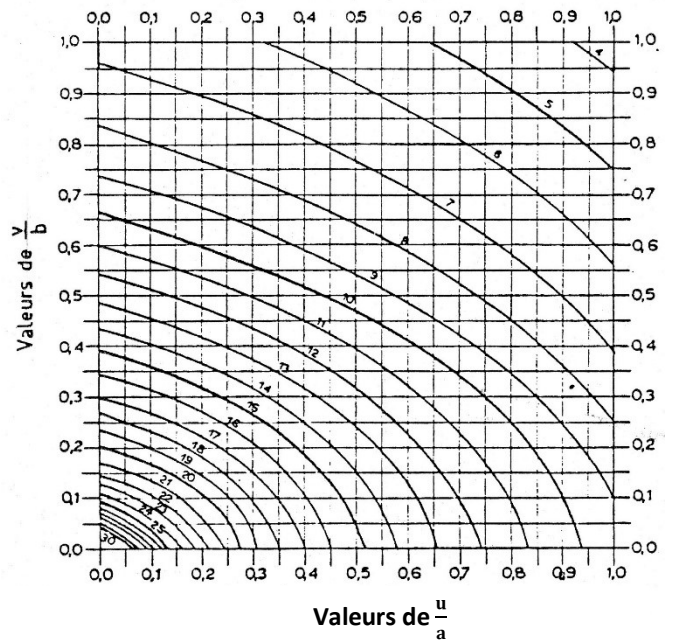
$$\rho = \frac{a}{b} = 0.2$$

$$\rho = \frac{a}{b} = 0.3$$

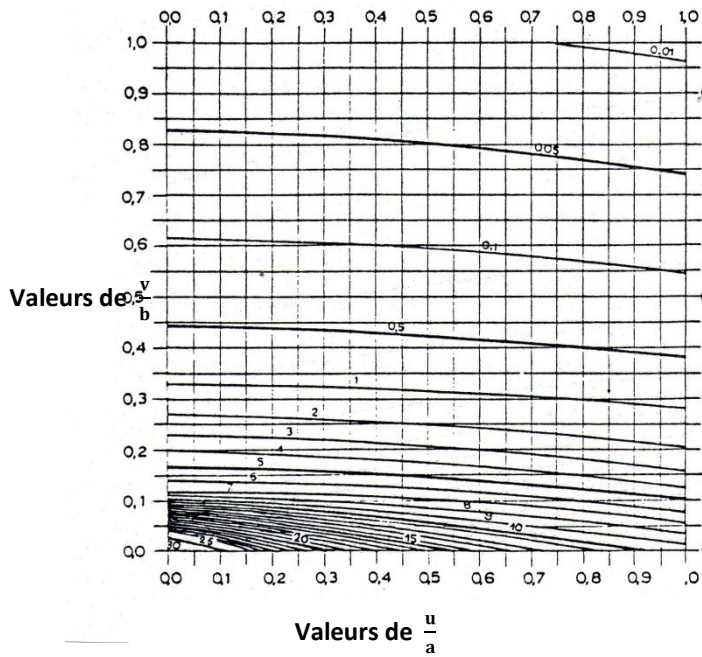
a) Valeurs de $M_1 \times 10^2$



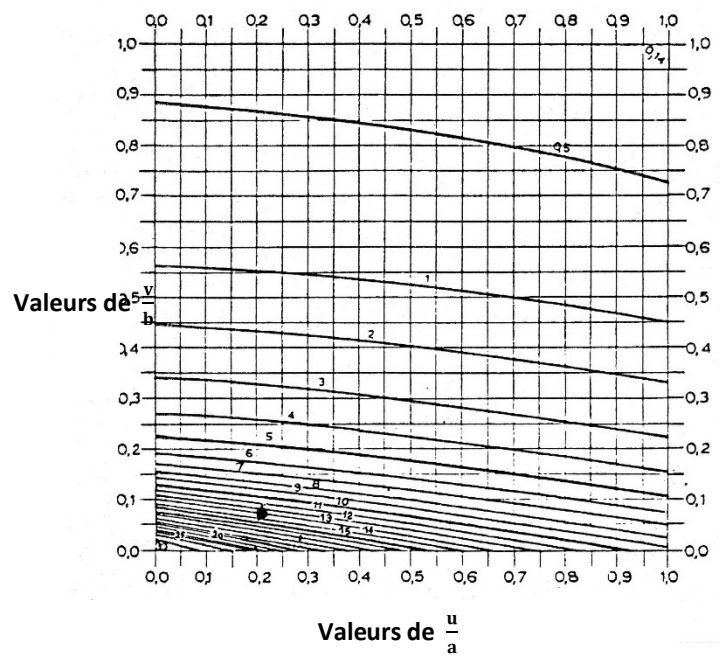
a) Valeurs de $M_1 \times 10^2$



b) Valeurs de $M_2 \times 10^2$

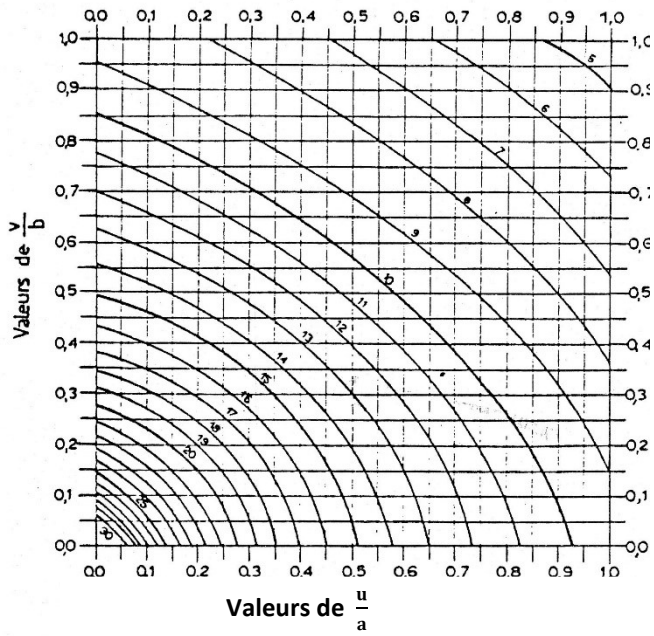


b) Valeurs de $M_2 \times 10^2$



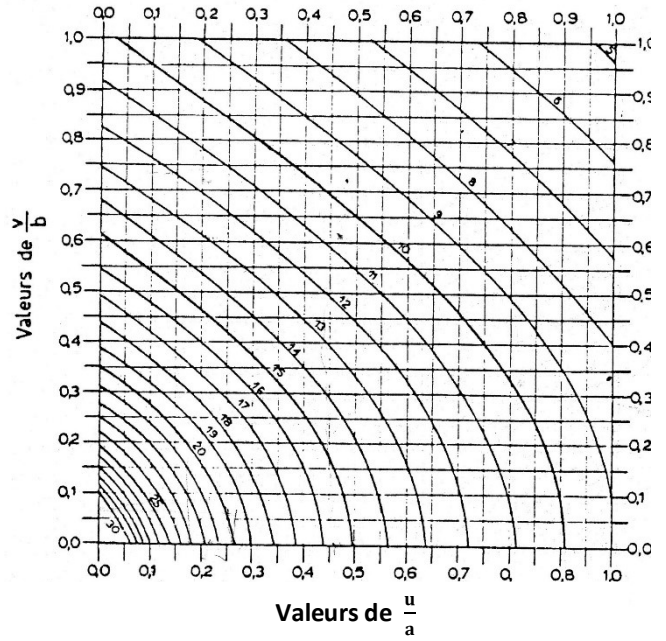
$$\rho = \frac{a}{b} = 0.4$$

a) Valeurs de $M_1 \times 10^2$

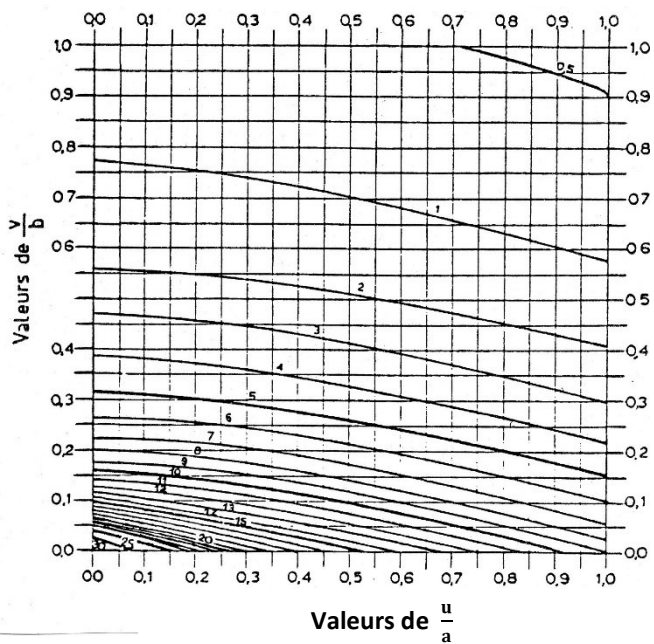


$$\rho = \frac{a}{b} = 0.5$$

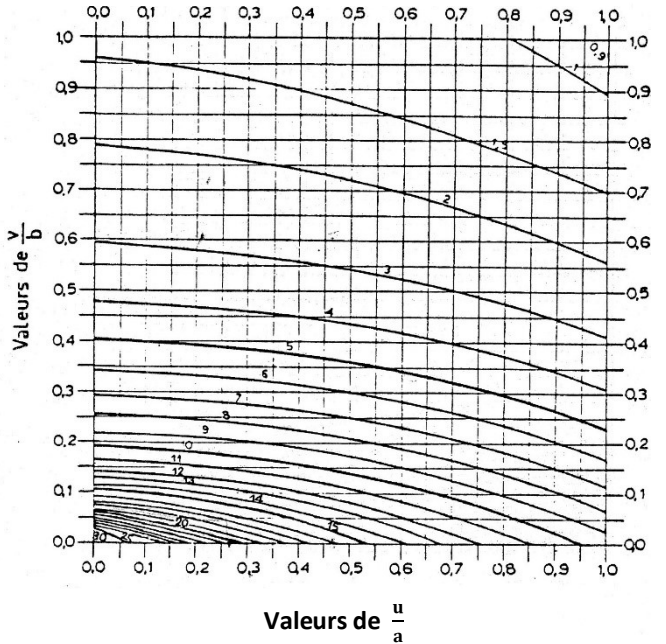
a) Valeurs de $M_1 \times 10^2$



b) Valeurs de $M_2 \times 10^2$

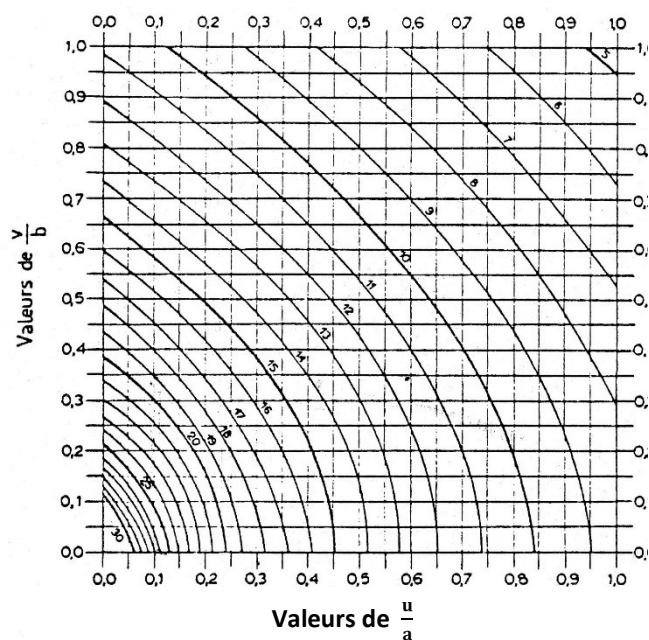


b) Valeurs de $M_2 \times 10^2$



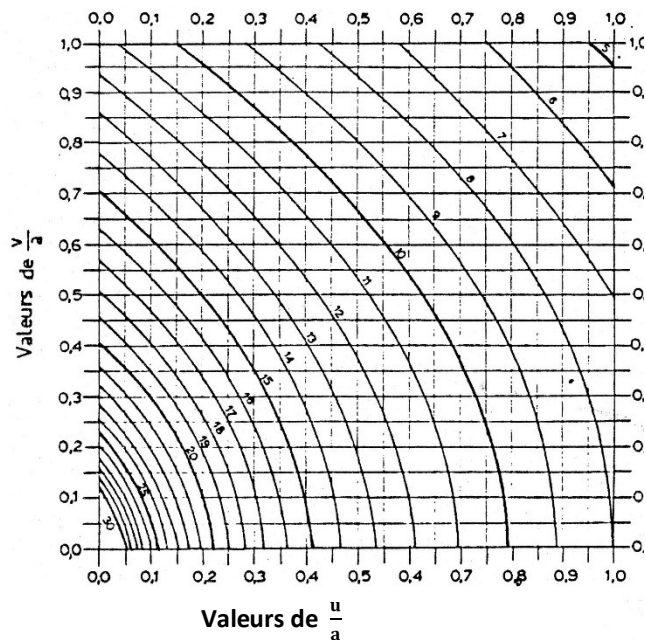
$$\rho = \frac{a}{b} = 0.6$$

a) Valeurs de $M_1 \times 10^2$

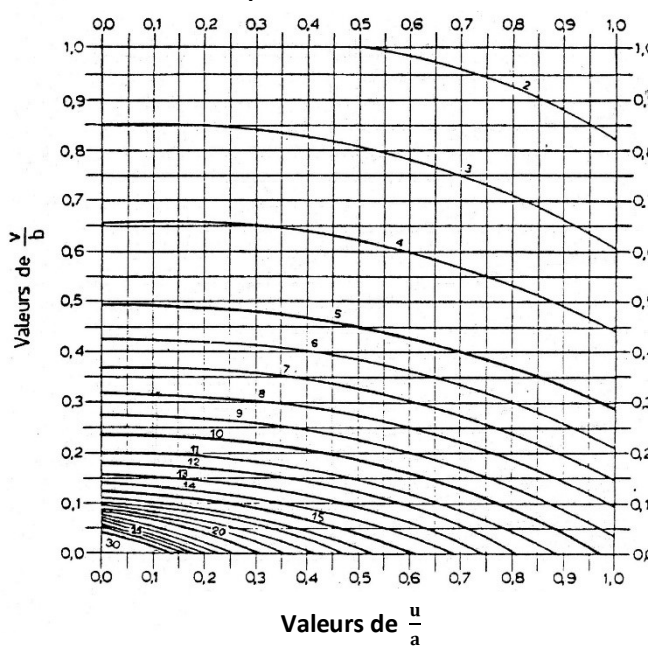


$$\rho = \frac{a}{b} = \frac{\sqrt{2}}{2} = 0.707$$

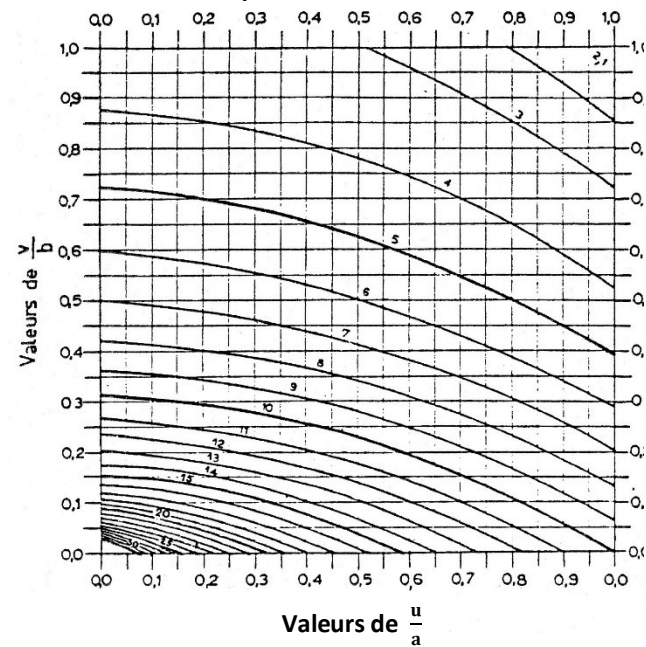
a) Valeurs de $M_1 \times 10^2$



b) Valeurs de $M_2 \times 10^2$

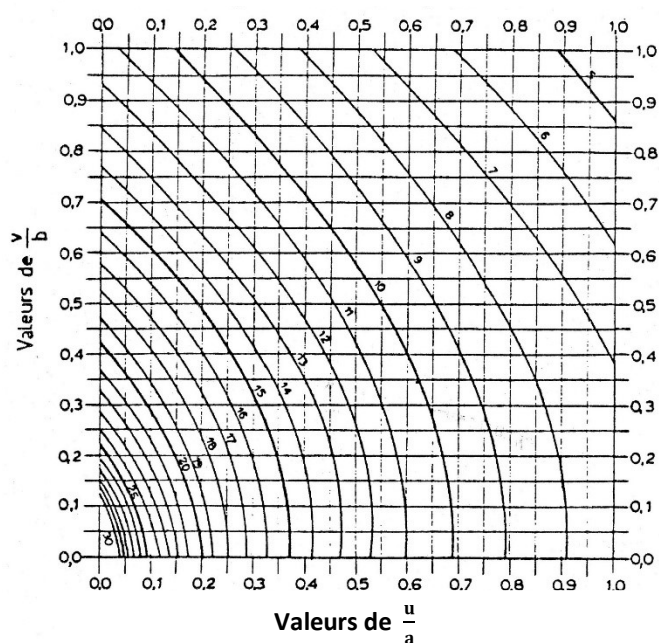


b) Valeurs de $M_2 \times 10^2$



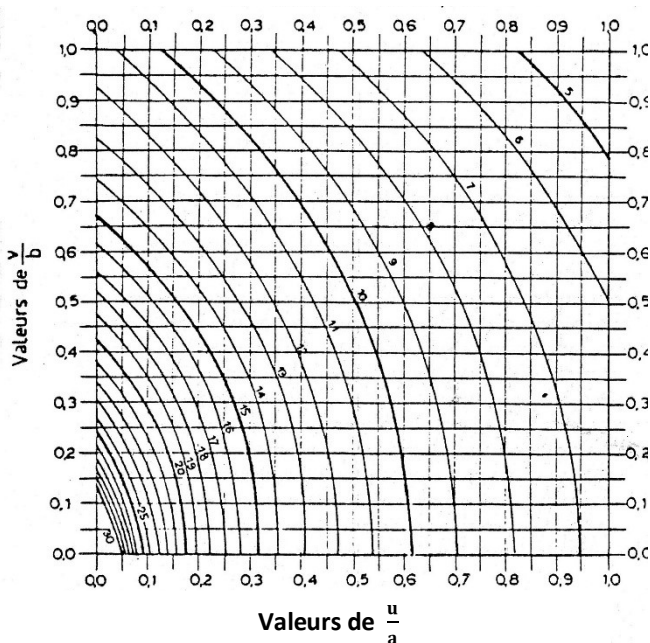
$$\rho = \frac{a}{b} = 0.8$$

a) Valeurs de $M_1 \times 10^2$

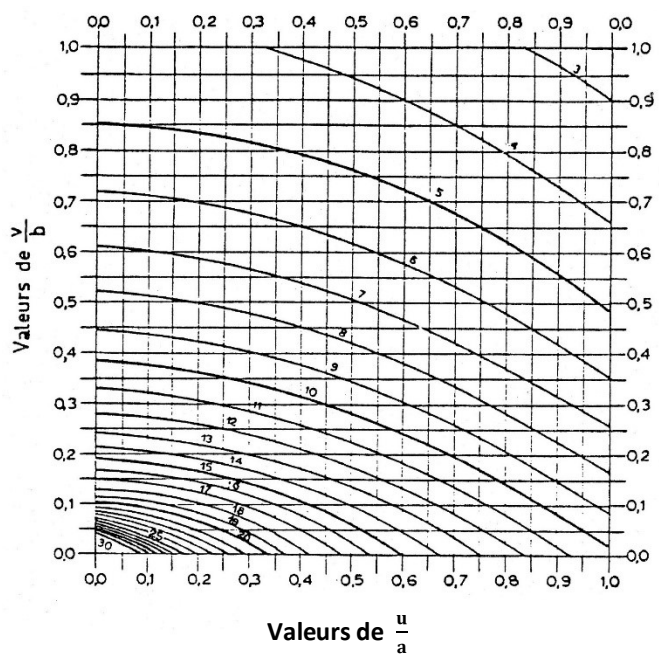


$$\rho = \frac{a}{b} = 0.9$$

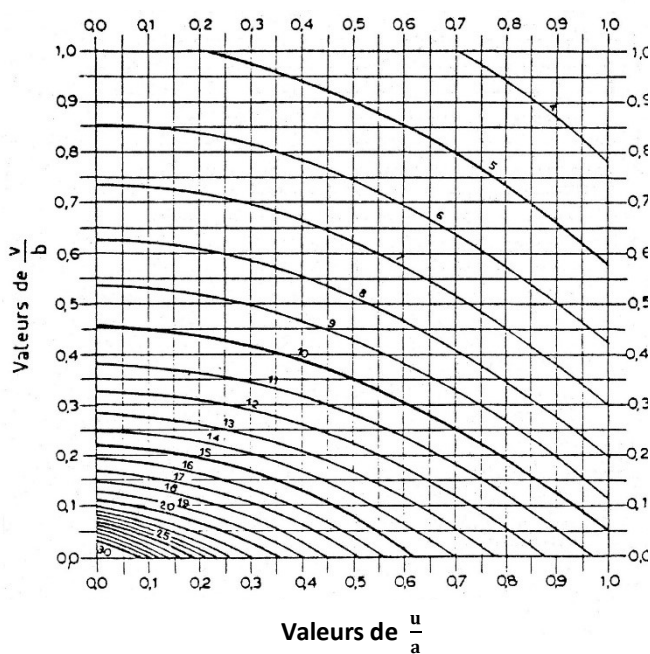
a) Valeurs de $M_1 \times 10^2$



b) Valeurs de $M_2 \times 10^2$

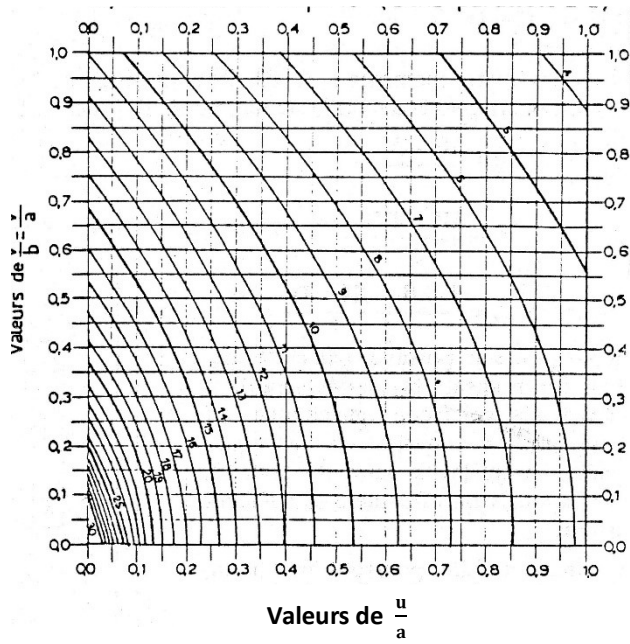


b) Valeurs de $M_2 \times 10^2$



$$\rho = \frac{a}{b} = 1$$

a) Valeurs de $M_1 \times 10^2$ (sens parallèle à u)



$$\rho = \frac{a}{b} = 1$$

a) Valeurs de $M_2 \times 10^2$ (sens parallèle à v)

