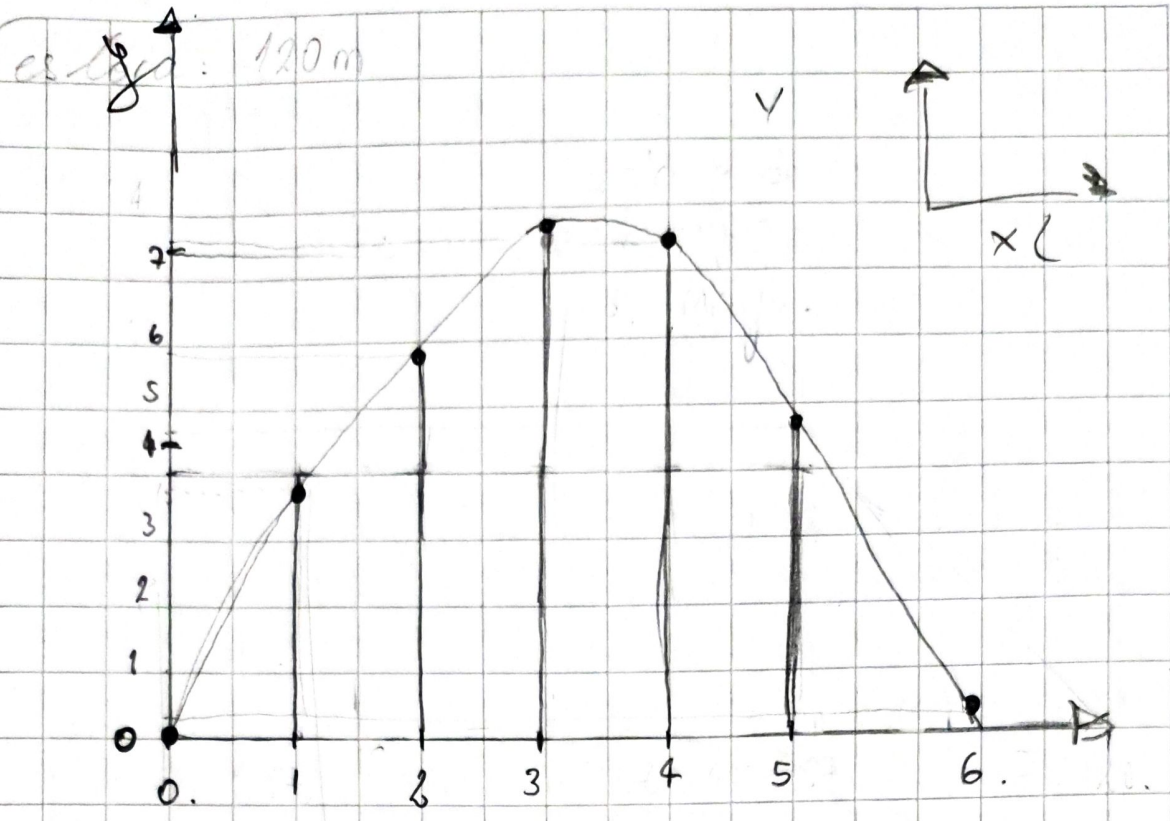


1

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Resolución Cortamen.

DD 08
MM 08
YY 88
18



$$\Delta x = \frac{\text{Diametro}}{n^{\circ} \text{secciones} - 1}$$

$$\Delta x = \frac{120}{7 - 1} = \frac{120}{6} = 20.$$

1)

$$\bar{A} = \frac{1}{3} \cdot 20 (y_0 + 4y_1 + 2y_2 + \dots)$$

$$\bar{A} = \frac{1}{3} \cdot 20 ((1 \cdot 0) + (4 \cdot 3.7) + (2 \cdot 5.9) + (4 \cdot 7.6) + (2 \cdot 7.5) + (4 \cdot 4.6) + 0)$$

$$\bar{A} = \frac{1}{3} \cdot 20 \cdot (0 + 14.8 + 11.8 + 30.4 + 15 + 18.4 + 0)$$

$$\bar{A} = \frac{1}{3} \cdot 20 \cdot (90.5)$$

$$\bar{A} = 603.33 \cdot 2 = 1206.66 \Rightarrow \underline{\underline{1206.7 \text{ m}^2}}$$

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2) TPC en agua Salada:

TPC : $\frac{\text{Area Plano flotación (m}^2\text{)}}{100 \text{ (cm/m)}}$ $\rho_{\text{agua}} \text{ (TON/m}^3\text{)}$

TPC : $\frac{1206,7 \text{ m}^2}{100 \text{ cm/m}} \cdot 1,025 \frac{\text{TON}}{\text{m}^3}$

TPC : 12,36 TON/cm

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Centro flotación longitudinal

DD

MM

momento x
múltiplos

3)

Offset.

Estación	x	y	x · y	múltiplos	
0	0	0	0	1	0
1	20	3,7	74	4	296
2	40	5,9	236	2	472
3	60	7,6	456	4	1824
4	80	7,5	600	3	1200
5	100	4,6	460	4	1840
6	120	0,1	12	1	12
					5644

$$LCF = \left(\frac{2}{1206,7} \right) \cdot \frac{1}{3} \cdot 20 \cdot 5644$$

$$LCF = 62,36 \text{ m. de proa a popa}$$