

μ

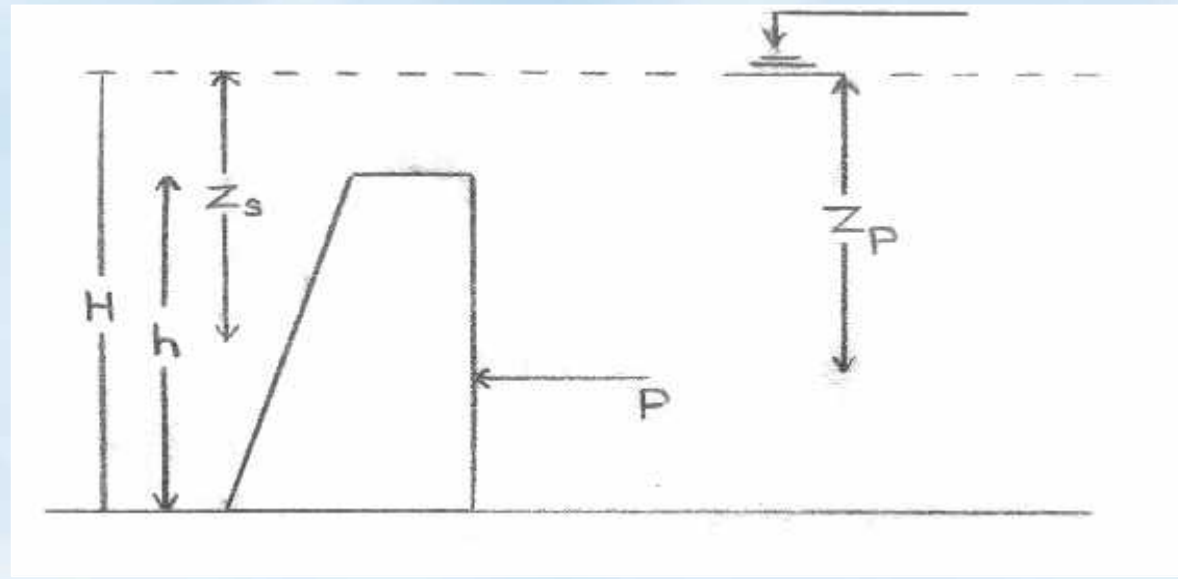
π .



Τμήμα Δασολογίας και Διαχείρισης Περιβάλλοντος και Φυσικών Πόρων
Εργαστήριο Διευθέτησης Ορεινών Υδάτων και Διαχείρισης Κινδύνου

μ 4

μ h=4 m μ μ 0,80m.
μ μ (b) 10 m
(Zs) m 2,8 m,
μ μ μ . (
=1t/m³).



Τμήμα Δασολογίας και Διαχείρισης Περιβάλλοντος και Φυσικών Πόρων
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$$P = \chi * b * a * z_s$$

$$z_p = \frac{a^2}{12 z_s} + z_s$$

z_s:

(m)

b:



_____ :

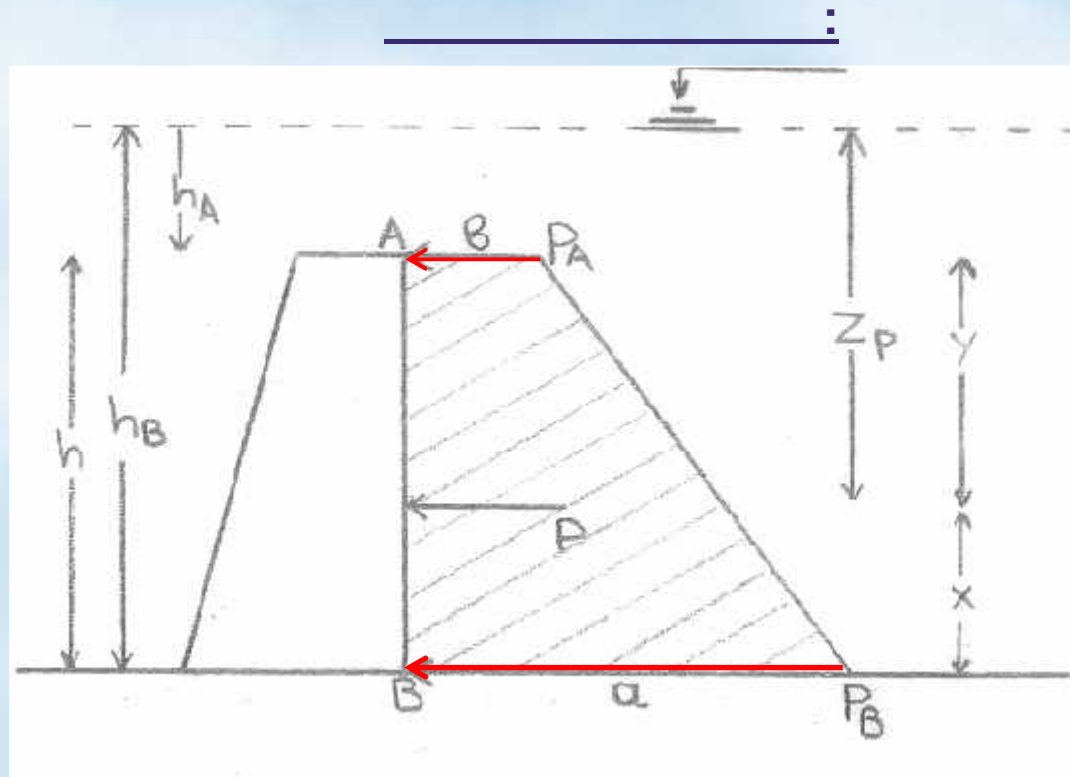
$$\mu : P = \chi * b * a * z_s$$

$$P = 1 \cdot 10 \cdot 4 \cdot 2,8 = 112 \text{ t}$$

$$\mu \quad \mu : z_p = \frac{a^2}{12 z_s} + z_s$$

$$z_p = \frac{4^2}{12 * 2,8} + 2,8 = 3,276 \text{ m}$$

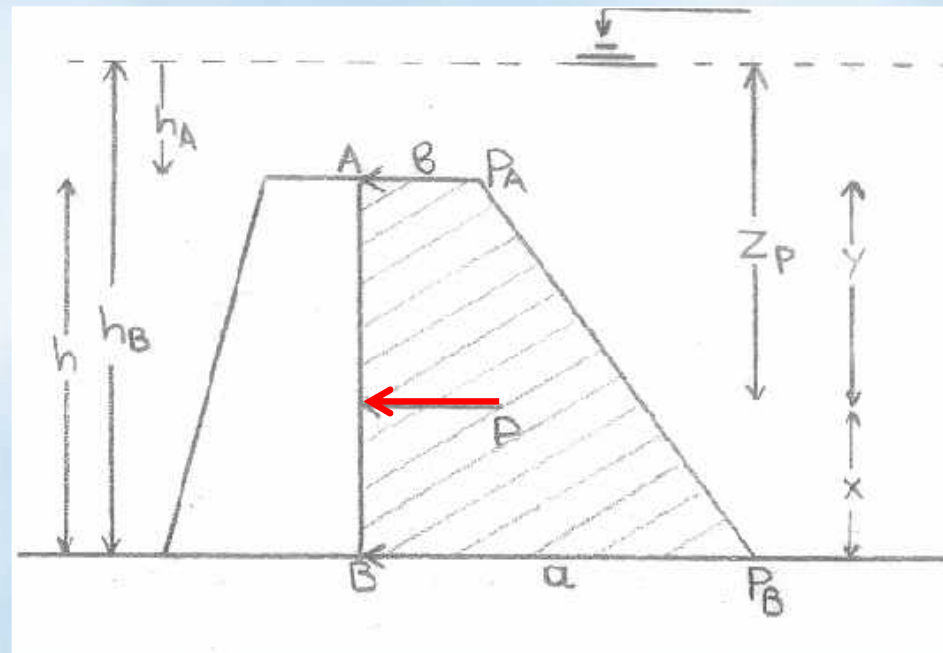




$$P = h \cdot \mu = 0,80 \cdot 1 = 0,8 \text{ t/m}^2$$

$$P = h_B \cdot \mu = 4,80 \cdot 1 = 4,8 \text{ t/m}^2$$



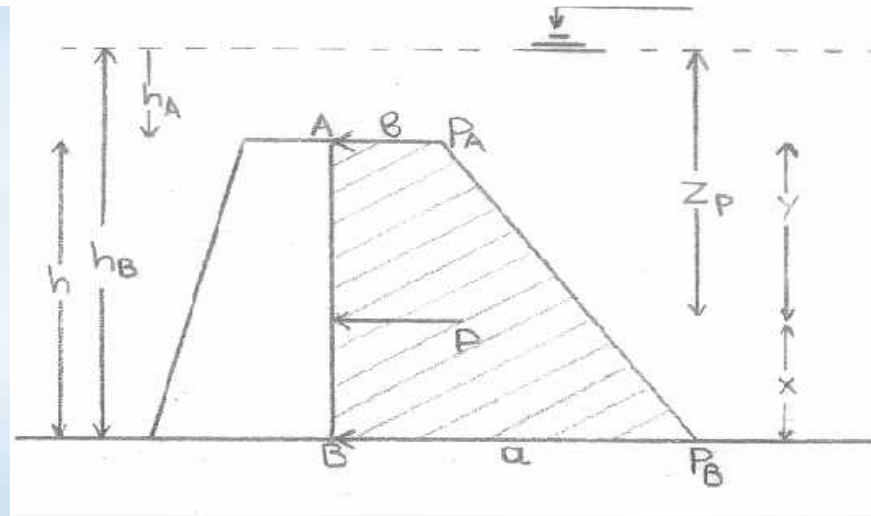


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:

$$P_{AB} = \frac{0,8 + 4,8}{2} \cdot 4,0 = 11,2t / m$$





μ μ (b=10m)
 : $P = P_{AB} \cdot b = 11,2 \cdot 10 = 112 \text{ t}$

μ μ P μ $\mu\mu$ μ
 μ :

$$\left\{ \begin{array}{l} x + y = h \\ \frac{x}{y} = \frac{\alpha + 2\beta}{2\alpha + \beta} \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} x + y = 4 \\ \frac{x}{y} = \frac{4,8 + 2 \cdot 0,8}{2 \cdot 4,8 + 0,8} = \frac{6,4}{10,4} \end{array} \right\} \Rightarrow y = 2,476\text{m}$$

$$z_p = 2,476 + 0,8 = 3,276\text{m}$$



$$\frac{x}{y} = \frac{\alpha + 2\beta}{2\alpha + \beta}$$

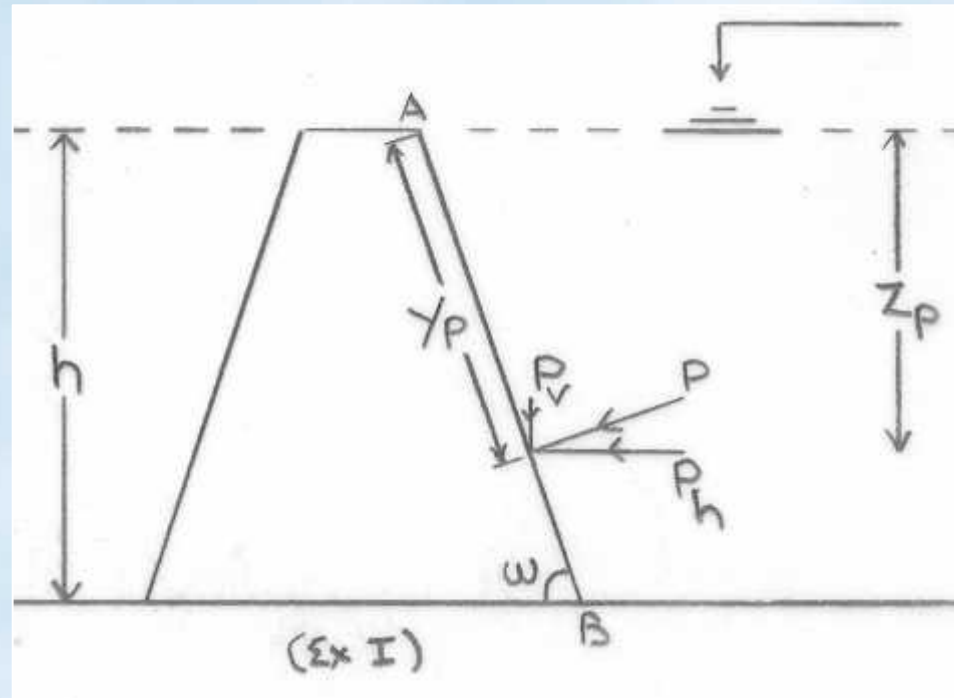
κέντρο βάρους τραπεζίου: $x+y-h$ $\frac{x}{y} = \frac{\alpha + 2\beta}{2\alpha + \beta}$

μ



μ 5

μ (h) 4 μ μ 3:1
μ μ μ
μ μ μ
μ μ b=10m.



$\rho = \gamma \cdot z = \gamma \cdot y \cdot \mu$ (t/m²)

$$P = \gamma \cdot z_s \cdot F$$

$$P_h = \chi \cdot b \cdot \frac{h^2}{2} \quad (t)$$

$$P_v = \chi * b * \frac{h^2}{2v \{ \check{S} \}} \quad (t)$$

h: (m)
 b: (m)



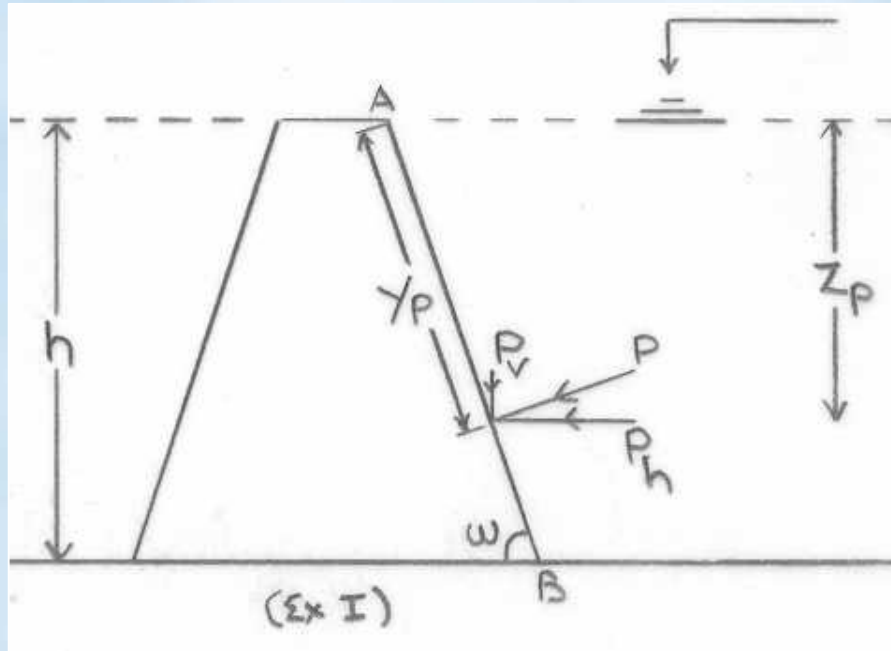
$$P = \sqrt{P_h^2 + P_\epsilon^2} = \chi \cdot b \cdot \frac{h^2}{2y \cdot \check{S}} \quad (t)$$

$$y_p = \frac{2h}{3y \cdot \check{S}}$$

&

$$z_p = \frac{2}{3} \cdot h$$





$$P_h = \chi \cdot b \cdot \frac{h^2}{2} = 1 \cdot 10 \cdot \frac{4^2}{2} = 80t$$

$$P_v = \chi \cdot b \cdot \frac{h^2}{2\omega\tilde{S}} = 1 \cdot 10 \cdot \frac{4^2}{2\omega 71,565} = 26,67t$$

$$\left(\frac{P_v}{P_h} = \frac{26,67}{80} = \frac{3}{10} \Rightarrow \omega = \frac{3}{10} = 0,3 = 71,5650 \right)$$

μ :

$$P = \sqrt{P_h^2 + P_v^2} = \chi \cdot b \cdot \frac{h^2}{2\gamma \cdot \tilde{S}} = 1 \cdot 10 \cdot \frac{4^2}{2\gamma \cdot 71,565} = 84,327t$$



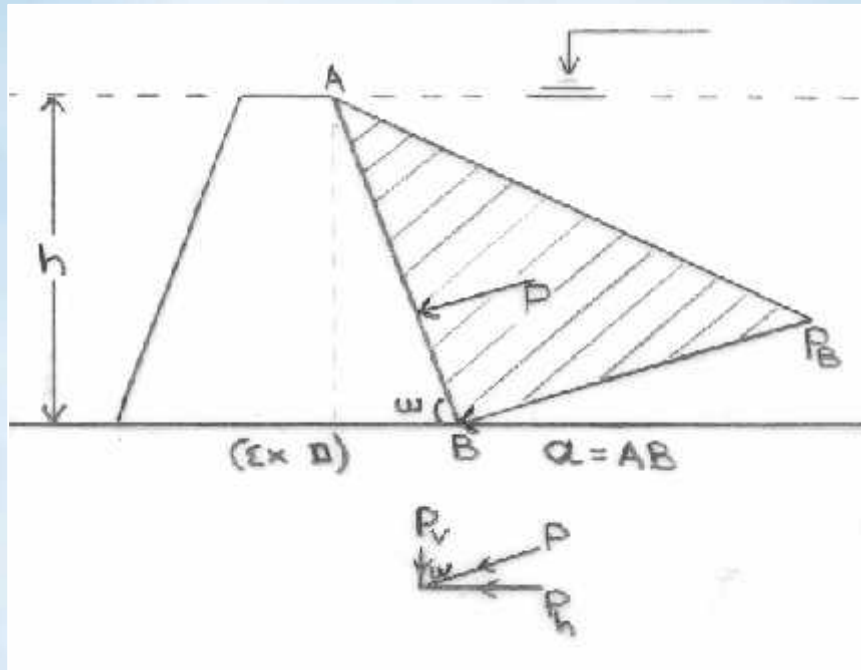
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$$y_p = \frac{2h}{3y - \check{S}} = \frac{2 \cdot 4}{3 \cdot y - 71,565} = 2,811m$$

$$z_p = \frac{2}{3} \cdot h = \frac{2}{3} \cdot 4 = 2,667m$$





- μ : $p = 0$

- μ : $p = h \cdot \gamma = 4 \cdot 1 = 4 \text{ t/m}^2$

- P μ :

$$P = \frac{1}{2} \cdot a \cdot P_B$$

$$r = \frac{h}{\gamma \cdot \bar{y}} = \frac{4}{\gamma \cdot 71,565} = 4,216m$$



- μ : P μ

$$P = \frac{1}{2} \cdot a \cdot P_B$$

$$P = \frac{1}{2} \cdot 4,216 \cdot 4 = 8,432t / m$$

$$P = b \cdot P = 10 \cdot 8,432 = 84,32 t$$

❖- P :

$$P_V = P \cdot \mu = 84,32 \cdot 71,565 = 26,66t$$

❖- :

$$h = P \cdot \mu = 84,32 \cdot 71,565 = 79,99t$$

❖- μ μ μ

