

 $\int gg(h_v-z)\cdot b(z)dz=P_1$

Trykkraft højre flade

hn

- $\int gg(h_1-z) \cdot b(z) dz = - \int gg(h_1-z) b(z) dz - \int gg(h_1-h_1) b(z) dz$ - $\int gg(h_1-z) \cdot b(z) dz = -P_1 - P_2 - P_3$ hv

$$P_{3} = -\int_{h_{1}}^{h_{3}} g(h_{h} - 2)b(2)d2 \simeq -ggb(h) \frac{1}{2} \left(\frac{gh}{gx} \Delta x\right)^{2}$$

$$P_{2} = -\int_{0}^{h_{1}} gg(h_{h} - h_{u})b(2)d2 \simeq -gg\frac{gh}{gx} \Delta x \Delta x$$

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$$P_{3} = -\int_{\beta} gg(h_{h} - \overline{z}) b(\overline{z}) d\overline{z}$$

$$= -ggb(\overline{z}) \int_{h_{V}}^{h_{V}} (h_{h} - \overline{z}) d\overline{z} = -ggb(h) \left(\left[\frac{h_{h} - h_{v}}{2} \right]_{h_{v}}^{2} - \left(\frac{h_{h} - h_{v}}{2} \right)_{h_{v}}^{2} \right)$$

$$= -ggb(h) \left(\frac{h_{h} - h_{v}}{2} \right) \int_{h_{v}}^{h_{v}} (h_{h} - \overline{z}) d\overline{z} = -ggb(h) \left(\frac{h_{h} - h_{v}}{2} \right)_{h_{v}}^{2}$$

$$= -ggb(h) \left(\frac{h_{h} - h_{v}}{2} \right) \left(\frac{h_{h} - h_{v}}{2} \right)_{h_{v}}^{2}$$

$$= -ggb(h) \cdot \frac{1}{2} \left(\frac{h_{h} - h_{v}}{2} \right)_{h_{v}}^{2}$$

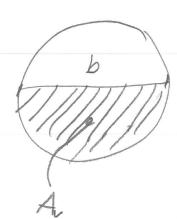
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$$G(2) = 2\sqrt{2^{2}+2 \cdot d}$$

$$G(2\sqrt{2^{2}+2 \cdot d}^{2}) = G(2\sqrt{2}\sqrt{2^{2}+2 \cdot d}^{2}) = G(2\sqrt{2}\sqrt{2}\sqrt{2}\sqrt{2})^{2} + (h-\frac{\partial h}{\partial x}\frac{\partial x}{2})^{2} + (h-\frac{\partial h}{\partial x}\frac{\partial x}{2})^{2} d$$

$$= G(2\sqrt{2}\sqrt{2^{2}+2 \cdot d}^{2})^{2} + (h-\frac{\partial h}{\partial x}\frac{\partial x}{2})^{2} d$$

$$P_{1}-P_{2}-P_{3}=1 + P_{1}-P_{2}-P_{3}$$

$$= +99 \frac{3h_{X}(A_{1}+\frac{1}{2}b(h)\frac{3h_{1}}{3x}Ax)}{4}$$

$$= -39 \frac{3h_{1}}{3x}AxA$$