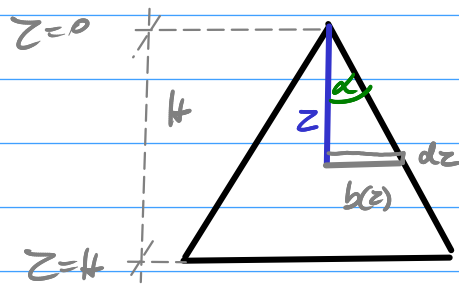


Task 2.5

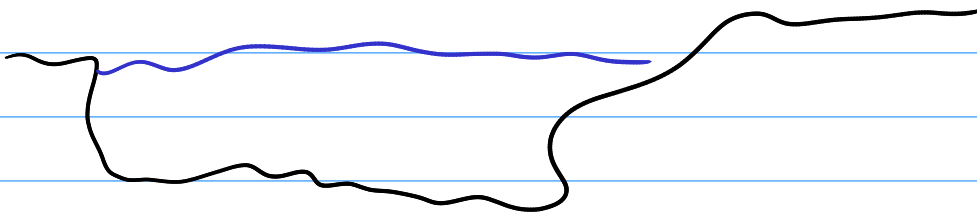


$\alpha = 30^\circ$ for
equilateral
triangle

$$\frac{b(z)}{z} = \tan \alpha$$
$$\Rightarrow b(z) = z \tan \alpha$$

$$dA = 2b(z)dz$$

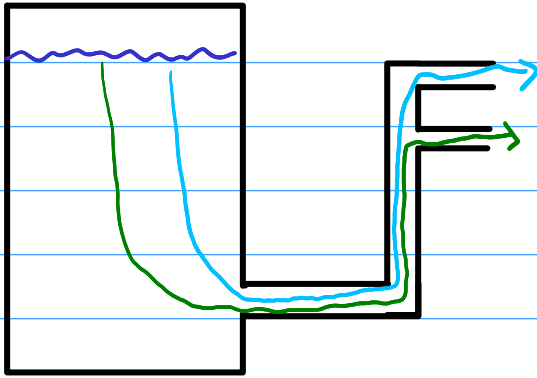
$$\int_A dF = \int_A p dA$$
$$= \int_0^h 2z \tan \alpha dz \quad \Rightarrow \text{weiter...}$$



$$\left[\begin{array}{l} \alpha = 30^\circ \Rightarrow \sin \alpha = \frac{1}{2} \\ \quad \quad \quad (\cos \alpha = \frac{1}{2}\sqrt{3}) \\ \Rightarrow \tan \alpha = \frac{\sin \alpha}{\cos \alpha} = \frac{\frac{1}{2}}{\frac{1}{2}\sqrt{3}} \end{array} \right.$$

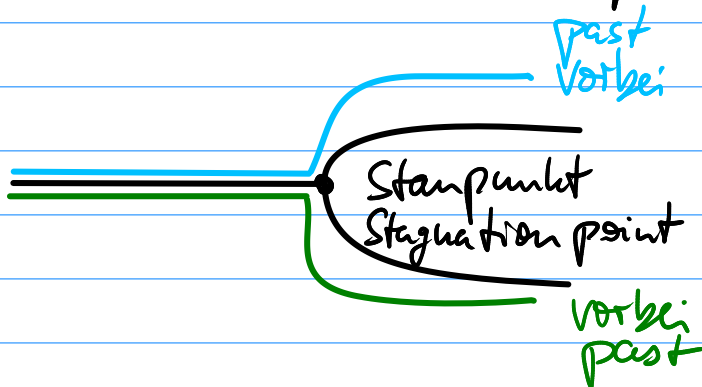
Task 6.2

Bernoulli-Eq is
for a single stream line only.



Bernoulli-Gl is
für eine Stromlinie.

A stream line does not split.



⇒ { separated stream lines from the outset
{ getrennte Stromlinien von Anfang an