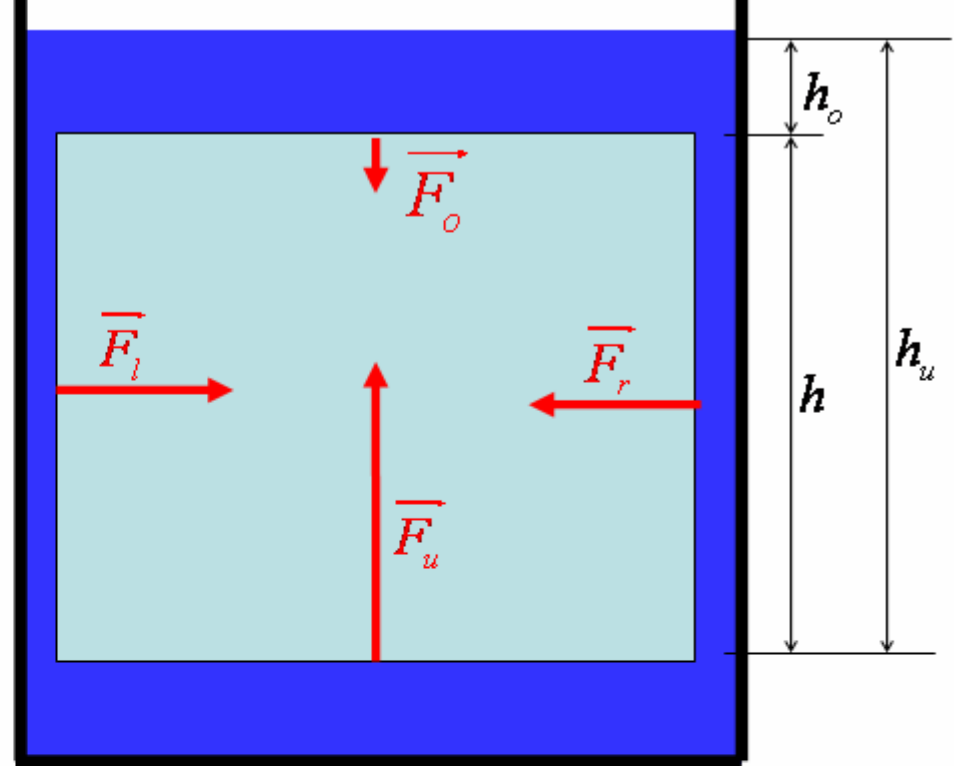


Herleitung:

Schweredruck $p = \rho_{Fl} g h$

$$F_o = p_o A = \rho_{Fl} g h_o A$$

$$F_u = p_u A = \rho_{Fl} g h_u A$$



$$F_A = F_u - F_o = \rho_{Fl} g (h_u - h_o) A = \rho_{Fl} g h A = \rho_{Fl} g V_K$$

$$F_A = \rho_{Fl} g V_K = \rho_{Fl} g V_{\text{verdr.Fl}} = m_{Fl} g = F_{G,\text{verdr.Fl}}$$