

1.  $h = \frac{v^2 \sin^2 \alpha}{2g} + S \sin \alpha \cos^2 \alpha \approx 1,63 \text{ м.}$
2.  $\frac{\sqrt{2} \pi}{\pi + 2\sqrt{2}} \approx 0,74.$
3.  $F_1 = \frac{1}{2} \rho \sqrt{a^2 + b^2} b l g = 500 \text{ кН.}$
4.  $x_{\text{цм}} = \frac{19}{42} a \approx 4,5 \text{ см.}$
5.  $H = \frac{h_1}{n_1} + \frac{h_2}{n_2} = 1,67 \text{ м.}$