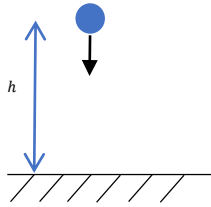


PROSTI PAD

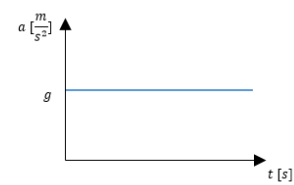
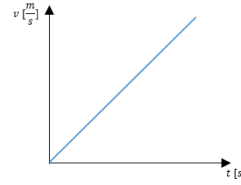
=enakomerno pospešeno gibanje s pospeškom $a = g = 9,81 \frac{m}{s^2}$ in začetno hitrostjo $v_0 = 0 \frac{m}{s}$



$$v = g \cdot t$$

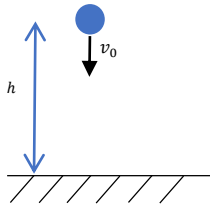
$$v^2 = 2gh$$

$$h = \frac{g \cdot t^2}{2} \rightarrow t = \sqrt{\frac{2h}{g}}$$



MET NAVZDOL

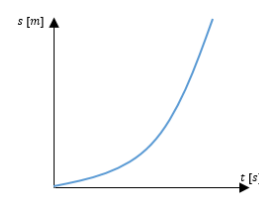
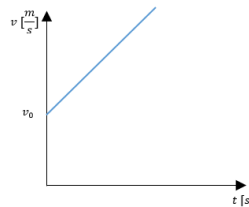
=enakomerno pospešeno gibanje s pospeškom $a = g = 9,81 \frac{m}{s^2}$ in začetno hitrostjo $v_0 = \dots \frac{m}{s}$



$$v = v_0 + g \cdot t$$

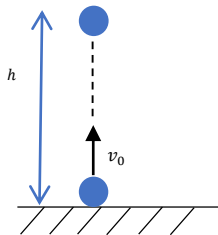
$$h = v_0 \cdot t + \frac{g \cdot t^2}{2}$$

$$v^2 = v_0^2 + 2gh$$



MET NAVZGOR

=enakomerno pojemajoče gibanje s pospeškom $a = g = 9,81 \frac{m}{s^2}$ in začetno hitrostjo $v_0 = \dots \frac{m}{s}$



$$v = v_0 - g \cdot t$$

$$h = v_0 \cdot t - \frac{g \cdot t^2}{2}$$

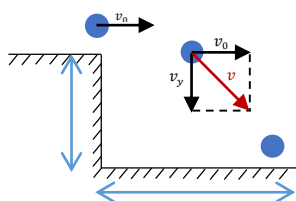
$$v^2 = v_0^2 - 2gh$$

$$t_{dviganja} = t_{padanja}$$

$$v_0 = v_k$$

VODORAVNI MET

= je gibanje v vodoravni in navpični smeri. V vodoravni smeri je gibanje enakomerno, v navpični pa enakomerno pospešeno, zato se telo giblje po paraboli.



$$D = v_0 \cdot t$$

$$h = \frac{g \cdot t^2}{2} \rightarrow t = \sqrt{\frac{2h}{g}}$$

$$v = \sqrt{v_0^2 + v_y^2}$$

$$v_y = g \cdot t$$

