

VZOR

$$A: y-y_0 = v_0 \cdot t + \frac{1}{2}at^2$$

A: y-y0 = rogit + 1 at2 < PRETYSTENT APLILATION TO POHYBOVED RIVING PRE ADMINISTRAÇÃO PROPRIMENTA POHYBOVED RIVING PRE ADMINISTRAÇÃO POHYBOVED RIVING PRE ADMINISTRAÇÃO PROPRIMENTA PROPRIMENTA POHYBOVED RIVING PROPRIMENTA PROP

-45m = 20ms - sin 30° · t - 4,905 ms 2, t 2 TRAVA A OUSADBNIE =0,758

4,905t2 - 10msit - 45m = 0

MARROW D= Tox · t

D=100x · t) > ? A radouid = VUADRENE/IDENTIPHOVANTE NOX A D

D=20ms?.cos30°.4,215s } VTPOCET =958

C: ZZE:

2 MV2 + orgh = 2 MV22 COST (SPRÁNT POUZITIE 228)

V2.(2.120ms1)2+9,81ms2,45m)= 02 MIPOCET =18 N2 = V2. (200 + 441, 45) $N_2 = 35, 212 \text{ m5}^{1}$

BONUS:

My = Noy + Lay (y-y0)

0 = (No. Sinx) 2 - 2g (Hmax - ho) 2g (Hmx - No) = (No. sind)

L NEDAKK VHODIA VŠEOBRENT ROVNILA =11 $H_{\text{max}} = \frac{(n_0 \cdot \sin x)^2}{2g} + h_0$ $H_{\text{n}} = \frac{(n_0 \cdot \sin x)^2}{2g} + h_0$

Hmax = (20m51.sin30°)2 + 45m = 50,1m