

$$y(t) = y_0 + V_0 \cdot \sin \varphi \cdot t - \frac{gt^2}{2}$$

$$x(t) = V_0 \cdot \cos \varphi \cdot t$$

$$V_2(t) = V_0 \cdot \sin \varphi - gt$$

$$V_x(t) = V_0 \cdot \cos \varphi$$

$$t_{nog} = \frac{V_o \cdot Sin \cdot \alpha}{g} \quad (V_g \mid t_{nog} \mid = 0)$$

$$t_{max} = y_o + \frac{V_o^2 \cdot Sin^2 \alpha}{2g} \quad (y \mid t_{nog} \mid = t_{max})$$

$$t_{non} = \frac{V_o \cdot Sin \cdot \alpha + \sqrt{V_o^2 \cdot Sin^2 \alpha + 2y_o \cdot g'}}{g} \quad (y \mid t_{non} \mid = 0)$$

L = Vo. 659. tnox

UKX= Vo. Gosa

VKy= Vo. Sing-g. thon

VK= JVKX2+Vny

B= owctg (VKr)

Уравнение Траентории:

y(x)= yo + x. tga- 2 /2 /2 /652 a