Enlei Project 307: Fireconcher

Jacob Ivmov

03/10/2022

ay= 0= (4.81)(+)=20 sin(0) # + 0 ymax

1/2 = 102 + 2 x by

# Above is the coordinate of the y-max point for # A particle with a given initial angle.

$$x = \frac{400 \cos(\theta) \sin(\theta)}{4.81} \Rightarrow \frac{dx}{d\theta} = 0 \otimes \theta = 45^{\circ}$$

Mr.

1

3

1

3

1

3

9

9

Dy= 2(9.91)(+)2

$$\frac{1}{100} = \frac{1205 \sin(4)^2}{9.81^2} + \frac{200}{9.81} = \frac{205 \sin(4)}{9.81} + \frac{200}{9.81}$$

$$+(\theta) = \left(\frac{20 \sin(\theta)}{9.81} + \sqrt{\frac{2(100 + \frac{(20 \sin(\theta))^2}{2(19.81)}}{9.81}}\right)$$

$$\Theta = \cos^{-1}\left(\frac{x}{10}\right)$$

$$=100+20 \sin(0)-\frac{9.81}{2}$$

$$\frac{1}{\sqrt{1 + 1}} \frac{1}{\sqrt{1 + 1}} \frac{1$$

$$\int_{-\frac{1}{2}}^{\frac{1}{2}} \frac{100 - \frac{200}{9.81}}{\frac{900}{9.81}} = \frac{1}{200}$$

$$\int_{-\frac{1}{2}}^{\frac{1}{2}} \frac{100 + \frac{200}{9.81}}{\frac{900}{9.81}} = \frac{1}{200} =$$