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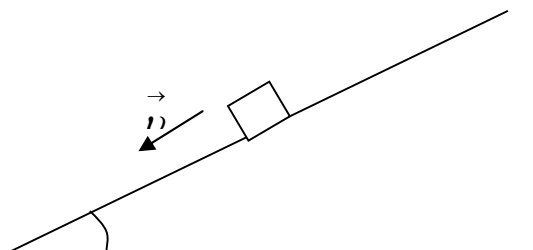
)



5. $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$.
- $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, :
-) 5 m/s^2) 10 m/s^2) 15 m/s^2) 20 m/s^2
- $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, :
-) 5 m/s^2) 10 m/s^2) 15 m/s^2) 20 m/s^2

2^ο

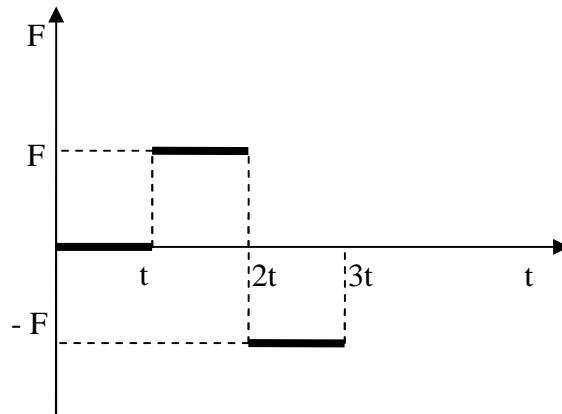
1. $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, :



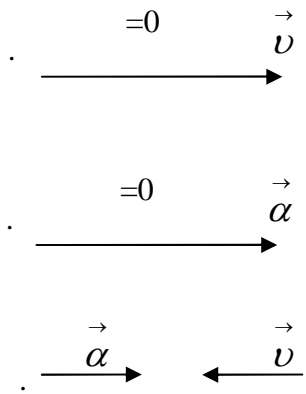
-) $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, :
-) $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, :
-) $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, $\mu = 0,2$ και $v_0 = 10 \text{ m/s}^2$, :
- $mg \mu$.



2. μ , μ μ μ
 μ . μ $o > 0$
 μ .



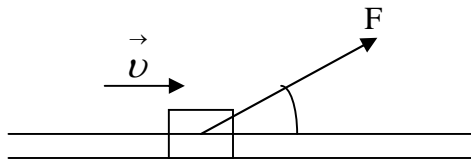
3. $\mu\mu$ μ



1. μ , .
2. μ .
3. μ .
4. μ .



4. μ μ
 μ .



μ μ μ :
 $\mu(mg - F \mu)$ $F \mu$ F $\mu(mg - F)$ mg

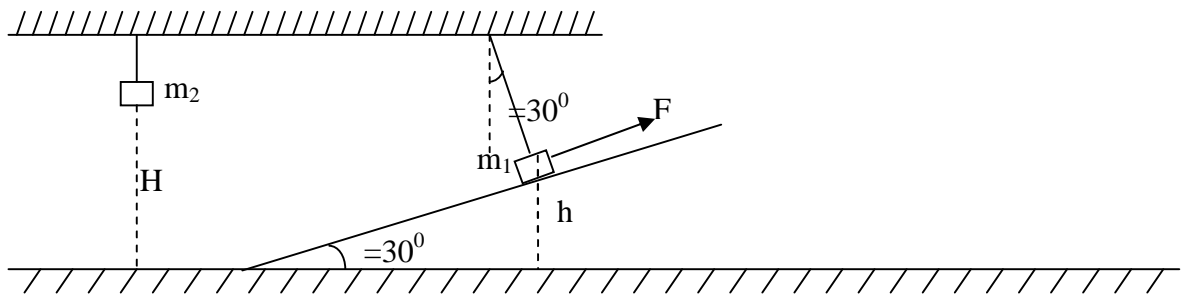
3^ο

$AB = 100m$ μ μ μ $t=0$ μ
 A μ μ $\mu_0 = 0$ μ
 $\mu_0 = 20 \text{ m/s}$
 μ μ μ
 μ ;
 μ μ
 $v_1 = 10m/s$ μ μ
 μ μ
 μ μ (t) , (t) , $x(t)$ μ μ
 μ μ .



4^ο

$m_1 = 2\text{Kg}$
 $\mu = 30^\circ$
 $F = 4\sqrt{3}$



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) μ μ
) μ .
 . μ $t=0$ μ
 μ F μ
 μ .
 . μ m_2 μ μ .
 μ $t=0$
 m_2 μ m_1 .

$g = 10\text{m/s}^2, h = 5\text{m}, \mu_{30^\circ} = \frac{1}{2}, 30^\circ = \frac{\sqrt{3}}{2}$