Thomas-Palmer Physics In-Class Lecture Notes:

A Friction Review Problem - The Original Billy Bobby and Bo Thank You, Mr. Thomas-Palmer, for these notes. (Oh wait, that's me.)

CHOUN: BASIN OF BELLIGERANT BOSSA NOVA BANDITS Friction (NO Incline) Review Problem V:=-3.0 m/s m= 52.4g (1/0 m) = 0.0524 kg 1/K=0.17 bx= 75cm (100cm) = 0-76m Fa= 0.20n@ 150 Below Horiz. For f_{α} $F_{N} = F_{N} - F_{g} - F_{ag} = ma_{g} = m(0) = 0$ $F_{N} = F_{g} - F_{ag} = 0 = 5$ $F_{N} = F_{g} + F_{ag}$ $F_{N} = m_{g} + F_{ag} = (0.0524)(9.9) + (0.051764)$ $F_{N} = m_{g} + F_{ag} = (0.0524)(9.9) + (0.051764)$ TFX = FX+ Fax = max => max = MX FN + Fax = 7 ax = Mx Fn + bax $a_{\chi} = \frac{(0.17)(0.565284) + 0.19319}{0.0524} = 5.5208 \frac{7}{3}2$ UAM Vfx 2= V; 2 + 2 ax AX => Vfx - Vix = 2 ax AX OX- Ufx = Vix = 02- (-3)2 = -0.81510m 2-0.92m it slides too far, AHA!