

Wednesday, September 11/12
Physics 122/121

1. HW - Formative
 2. Check -> Worksheet: Force Problems - Type I
 3. Static Equilibrium
 4. Miyoko Shida - Feather
 5. Pocket Lab
 6. Type II - Suspended Objects
 7. Worksheets: Type II Force Problems (2)
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HW - Formative Assessment - Wednesday, Sept. 11/13

Copy your solution for #25 from "Force Problems - Type I" worksheet.

25. A grocery cart is being pushed with a force of 450 N at an angle of 30.0° to the horizontal. If the mass of the cart and the groceries is 42 kg,
- (a) Calculate the force of friction if the coefficient of friction is 0.60.
- (b) Determine the acceleration of the cart.

- a) 3.8×10^2 N, left
b) 0.23 m/s^2 , right

$$\vec{F}_{\text{net}} = m\vec{a}$$
$$+|\vec{F}_x| - |\vec{F}_f| = m(+a)$$

Attachments

Course Outline - Physics 112 1 (2013).doc

Course Outline - Science 10 NS (2013).doc

Course Outline - Physics 122 1 (2013).doc

Course Outline - Intro to Env Sci 120 (2013).doc