

Physics 112

Thursday, January 14/16

<http://mvhs-sherrard.weebly.com/>

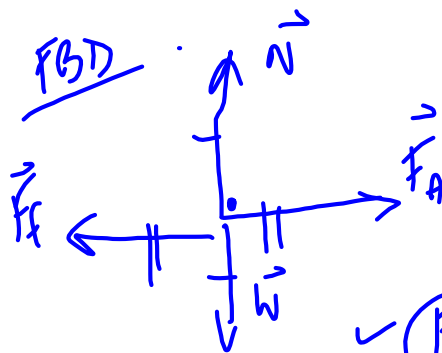
Textbook - ISBN

Explain That Stuff #12 - Due Tomorrow

1. Review Problem #3
 2. Exam - Review Problems (84)
 3. Reflection
 4. Diffraction
 5. Refraction - Index of Refraction
- Speed of Light in Substance
 6. Worksheet: Refraction #1-2
 7. Three Cases - P1 - To Be Continued
 8. Snell's Law - P2 - To Be Continued
-
9. Critical Angle
 10. Total Internal Reflection

P112 - Review Prob. #3. Jij

How much force is needed to push a 75.0 kg trunk at constant velocity across a floor, if the coefficient of friction between the floor and the trunk is 0.27? Include an FBD



(C4)
 $\vec{v} = 0 \text{ m/s}$
 $\vec{v} \text{ const.}$
 \vec{a}

$\mu = 0.27$

$m = 75.0 \text{ kg}$

$F_A = F_f$
 $N = W$
 $F_f = \mu N$
 $W = mg$

$\frac{0.27}{25}$

$F_A = F_f$
 $F_A = \mu N$
 $F_A = \mu W$
 $F_A = \mu mg$
 $F_A = () (\text{kg}) (\frac{\text{m}}{\text{s}^2})$

magnitude $\Rightarrow F_A = 2.0 \times 10^2 \text{ N}$

It takes $2.0 \times 10^2 \text{ N}$.

Physics 122

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Explain That Stuff #12 - Due Tomorrow

1. Test - Unit 2

Science 10

<http://mvhs.nbed.nb.ca/>

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1. Assignment: Oh, What a Tangled Web We Weave
4 Days Late
 2. Article: Keeping Threatened Amphibian Species Afloat
2 Days Late
 3. Video - Fertilizers and Algal Blooms
 4. Paradigm Shifts
 5. Topics for the Last Quiz :)
 6. Return and Review - Assignment
- Quiz
-
7. Return and Review - Physics Test
 8. Practice Exam