Physics 112

Thursday, November 22/18

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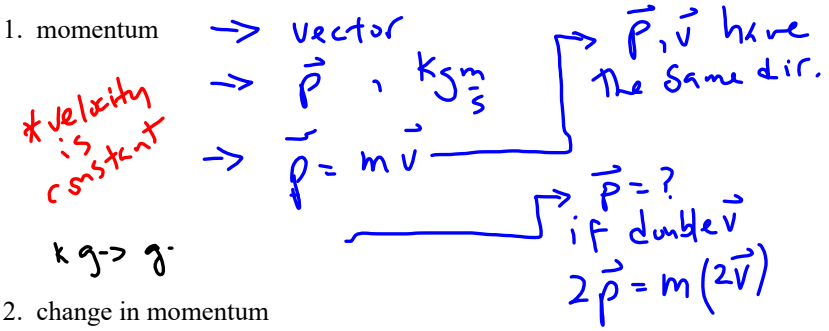
1. FA - Momentum
   FA - Change in Momentum
   FA - Impulse
   } Deadline - Nov. 22/18 (Thursday)
2. FA - Impulse-Momentum Theorem - Checked in Class Yesterday
3. Questions?
   Worksheet - C5 - Impulse-Momentum Thm.Page 203, PP #33-35
   - Mixed Page 209, PFU #37-45
   Worksheet - Extra Momentum, Impulse and Impulse-Momentum Theorem Problems
   Worksheet - MC - Momentum, Impulse, Impulse-Momentum Thm.
4. SA: U2-S3 - Momentum, Impulse and Impulse-Momentum Theorem
   - Topics - See Next Page
   - Date - Tuesday, Nov. 27/18
5. FA - Impulse-Momentum Problem -Deadline: Monday, Nov. 26/18

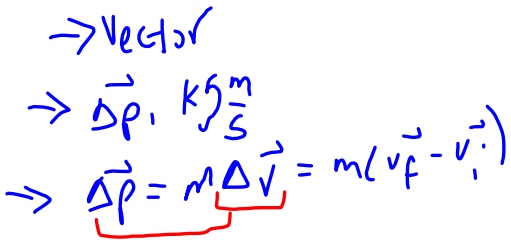
Physics 112

Topics: U2-S3 - Momentum, Impulse and Impulse-Momentum Theorem

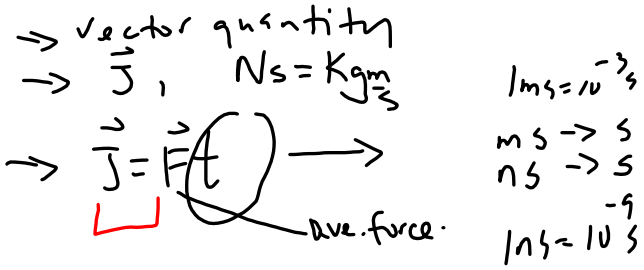
1. momentum



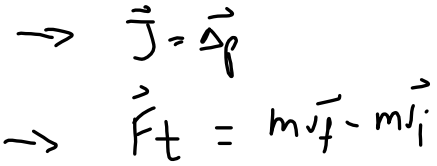
2. change in momentum



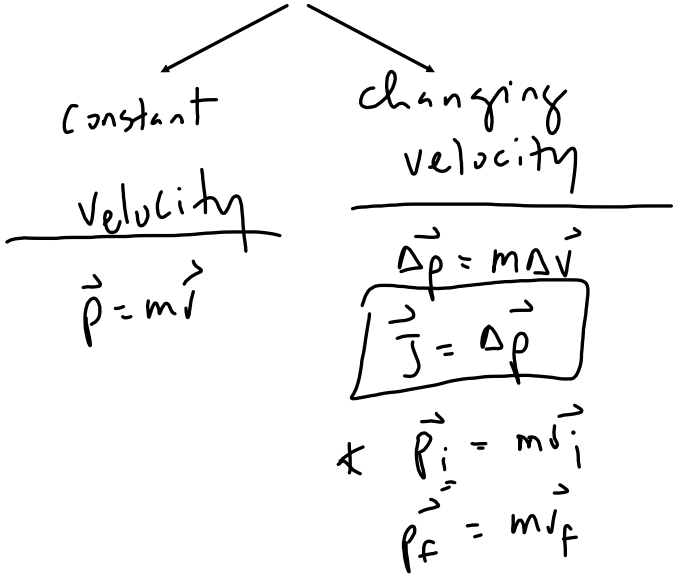
3. impulse



4. impulse-momentum theorem



Problems



Physics 122

Thursday, November 22/18

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1. Experiment 8.1 - Kepler's Laws - Page 49 - Submit for Marks
   - Due - Tuesday, November 20/18

2. FA - Kepler's Third Law - Deadline: Nov. 22/18

3. Questions?
   Worksheet - Universal Law of Gravitation
   C12 -> Page 580, PP#1-7

   Worksheet - Planetary Motion

4. SA - U2: S1&2 (Circular and Planetary Motion)
   - Date: Wednesday, Nov. 28/18

   - Format: MC
   5 Problems - Uniform Circular Motion
   - Unbanked/Banked Curves
   - Kepler's Third Law
   - Law of Universal Gravitation
   - Planetary Motion (g, v, T)

Science 10

Thursday, November 22/18

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1. Science Articles - Complete 8 by the end of the semester.
2. Questions?
   Worksheets - Rearranging Equations
3. FA - Rearranging Equations
4. Metric Conversions
5. Worksheets - Metric Conversions
6. FA - Metric Conversions
7. Topics -> SA - Physics #1 (Physics to Metric Conversions)
8. Review -> SA - Physics #1
9. SA - Physics #1: Thursday, Nov. 29/18

Topics: SA - Physics #1

1. definitions: physics, linear motion, physical quantity, significant digits, certainty, exact value, defined value, rounding digit, defining equation

2. SI System - International System of Units
   - know the SI base units for length, time and mass
   - be able to identify a derived unit

3. certainty - identify certain and uncertain digits in a measurement
   - determine the certainty of a measurement by stating its number of significant digits

4. scientific notation

5. rounding measurements

6. SDs and operation rules - Certainty Rule
   -> multiplication and division
   -> total # of significant digits
   - Precision Rule
   -> addition and subtraction
   -> # of digits after the decimal

7. rearrange an equation for a specified variable

8. perform metric conversions using conversion factors