Physics 2311 – Physics I, Week 2

Dr. J. Pinkney

Outline for Day W2,D2

Attendance
Error Prop. Example (area of block)
Motion in 1-dimension
  Position, Distance, displacement,
  Speed, velocity

Homework (Due Fri-Mon)

Ch. 2 Prob. 2,3,5-7,14,23-27,35-38,53-56

Notes: Hwk Ch. 1 mean= 8.7/10, checked 5,24,MQ2,3
Astro Club tonight 9 pm SA116.
Tutoring on Thursdays 6-8 SA116.

In-class quiz (#2)

1) Find the Area of a rectangular plate with L=21.3±0.2 cm, W=10.2±0.1 cm, using the "adding the fractional errors" method to determine the errors.

2) Find the same area using the correct "add fractional errors in quadrature" approach to determine the errors.

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Motion in 1-Dimension

(See “Mo and Flo” examples on black board.)

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Outline for Day W2,D3

Motion in 1-dimension (cont.)

- Average speed, velocity
- Instantaneous speed, velocity
- Acceleration
  - Equations of uniform acceleration

Homework (Due Mon)

Ch. 2 Prob. 2,3,5-7,14,23-27,35-38,53-56

Notes: Try practice quizzes online.

Quiz 1 on Monday. Mostly Ch 1, and part of Ch. 2 (definitions of l,d,s,v,etc).

Week 2 (cont.)

Motion in 1-Dimension

More “Mo and Flo” examples on black board.

Instantaneous speed, s
Instantaneous velocity, **v** or $\mathbf{v}_{inst}$
Graphing x vs t
  $\mathbf{v}_{inst}$ is slope of x vs t

Physics 2311 – Physics I, Week 3

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Outline for Day W3,D1

Quiz 1 (~12 min)
Motion in 1-dimension (cont.)
- Graphs of position and velocity
- Acceleration
  - Example problems
  - Equations of Motion
  - Equations of uniform acceleration

Homework (Due Today <3pm)
Ch. 2 Prob. 2,3,5-7,14,23-27,35-38,53-56
- Next: Ch. 3 P. 1,3,6,7,10,11,19,20,23,24, 32,33,37,38,39 Due next Mon.

Notes: Lab this week: Graphs and Motion

Physics 2311 – Physics I, Week 3

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Outline for Day W3,D2

Return Quiz 1 (mean=5.8/9)
Motion in 1-dimension (cont.)
- Acceleration
  - Example problems
  - Equations of Motion
  - Equations of uniform acceleration

Homework (Due Today <3pm)
Ch. 3 P. 1,3,6,7,10,11,19,20,23,24,
32,33,37,38,39 Due next Mon.

Notes: Ch. 2 hwk graded?