Math 235: Calculus Lab

Prof. Doug Hundley

Whitman College

Week 4

Groups For Lab, Week 4

1PM on Wednesday:

- Row 1:
  - Group 1: Jaime Paredes-Torres, Connor Hargus, Kanupria Sanu
  - Group 2: Kaitlin Puryear, Matt Ryan
- Row 2:
  - Group 3: Isaac Berez, Clayton Over,
  - Group 4: Devon Yee, Shengun Wang, Keith Eubanks
- Row 3:
  - Group 5: Riley Jordan, Hallie Barker
  - Group 6: Colin McCarthy, Matt Buswell
- Row 4:
  - Group 7: Joanna Gonda, Brock Wade
  - Group 8: Dalton Cooper, Emily Dotts

Groups For Lab, Week 4

For 2:30PM on Wednesdays:

- Row 1:
    - Group 1: Zach Turner, Moustafa El Badry Shaker
    - Group 2: Caitlyn Chun, Tom Motzer, Will Mullins
- Row 2:
    - Group 3: Alix Eisenbrey, Daniel Kim
    - Group 4: Tim Grote, Godwin Xun
- Row 3:
    - Group 5: Ricardo Vivanco, Dylan Zukin
    - Group 6: Emmanuel James, Yarden Blausapp

More on Writing, Intro to Lab

Punctuation

Remember to include a period at the end of a sentence.

... For instance, below is a perfectly good complete sentence.

$$1 + 1 = 2.$$

Typeset Cosine and Sine

Cosine and Sine (and other named functions, like log) should be typeset using a backslash:

$$x = \cos(t) \qquad y = \cos(t).$$

The Right Sized Parentheses

Use \left(\right) for parentheses that will automatically size up:

$$\sin(\frac{3x}{2}) \qquad \text{vs} \qquad \sin\left(\frac{3x}{2}\right)$$

More on sentences

Sentences should never start with a variable name:

" x and y are functions of t..."

Should be something like:

"We set x and y to be functions of t..."

Also, avoid the use of "it".

Graphics

- In the text, point out the salient features.
  "In Figure (reference), we see that the graph increases sharply at $t = 3$..."

- In the caption, point out what the important issues are: "The graph shows that the function increases sharply at $t = 3$".

- Be sure to label/ref your figures!

To include Maple code, use the "verbatim" command. That is, use \begin{verbatim} and \end{verbatim} and in between, put your Maple code. (Example on white board)

Some New Maple Commands

Take a few minutes and go over the new Maple commands.

Lab 1: Biorhythms

(See the lab on the class website)

Work in groups.

Due date: Monday, Feb 23rd (we'll have this week and next to work on it)