# Maple Lab for Calculus II: An Introduction

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## *Note*

If you took Math 141 or Math 142 last semester, this will serve as a review for you. You can skip the basic Login and Logout instructions as you should be familiar with your account.

## *Welcome*

Welcome to the computer laboratories and classrooms in the Department of Mathematics at the University of South Carolina. If you are reading this as you are waiting for your lab session to begin, introduce yourself to another student in the lab and wait for your TA or instructor to begin the lab.

## *Instructions*

The purpose of this week's lab is for you to become familiar with the network and Maple 2018. You will learn how to login and logout of the network and how to access Maple 2018 and the Internet. Once this is complete, you will begin to learn about Maple by working through an interactive Maple worksheet.

## *Login and Logout*

- When you are seated at a computer on the network, begin the login process by pressing **Ctrl-Alt-Delete**. This will open a window in which you will be asked to enter your username and password. You should log on using your USC network username and password. (This is the same username/password that you use to access your university email.)

- If you have trouble logging onto the network, you will need to look on with someone else for this lab. Before next week's lab, please visit LC 415 for assistance.

- Once you are logged in, take a look at your Windows desktop. You should see several icons, including ones for *Internet Explorer* and *Maple 2018*.

- To logout press **Ctrl-Alt-Delete**. Click on **Log Off** . . . confirm that you want to logout be pressing the button labeled **Log Off**. **Do not turn off the computer.** Prior to leaving the computer, visually verify that it is ready for the next user to login.

## *A First Look at Maple*

Locate and double click the Maple 2018 icon on the desktop. Maple should open to a new, blank worksheet with a red > symbol at the top left corner of the page. If it does not, you will need to follow the steps under "Maple Preferences" on the next page to configure your Maple preferences for this class.

*Maple Preferences*

Each user must configure Maple upon initial entry. If you are using Maple 2018 on a university computer outside LeConte or at home, you will need to follow these steps to set your preferences to our standard. Otherwise, you will not be able to follow the labs, and the information your TA gives you may not work properly. **For convenience, the computers in LeConte have been configured to the following Display standard.**

- **Display** The display options are available from the Maple 2018 user interface under the **Tools** menu. Pull down the **Tools** menu and choose **Options**.
  - Click on the **Display** tab. Change the settings to show:
    
    Input display: Maple Notation
    
    Output display: 2-D Math Notation
  - Click on the **Interface** tab. Change the settings to show:
    
    Default format for new worksheets: Worksheet
    
    Open worksheet at startup: New, blank
  - Click **Apply Globally**.
  
  You need to close your Maple session and re-open Maple to apply the changes.

- **Palettes** The palette options are available from the Maple 2018 user interface under the **View** menu. Pull down the **View** menu and choose **Palettes** and then **Arrange Palettes**.
  - Click **Remove All**.
  - Click **Greek**, **Common Symbols**, **Expression**, and **Calculus**.
  - Click **OK**.

*Accessing the Internet and Lab Materials*

- Internet Explorer is the standard browser provided in the computer labs. An icon for Internet Explorer should be on your desktop. Double click this icon to launch the browser.
- Open the Calculus II Lab page (**http://people.math.sc.edu/calclab/142L-S19/**). Add this page to your list of favorite websites by selecting **Add to Favorites** under the **Favorites** menu at the top of the window. You can access the **Favorites** menu by clicking the star at the top right corner.
- From the Calculus II Lab homepage, click on the **Lab Assignments**. This page contains the weekly lab assignments. For **Lab A**, you will see a link to this handout and a link to the **New User's Tour**.

*New User's Tour*

From the Lab Assignments page, click on the **New User's Tour**. Your TA will walk you through this interactive introduction to Maple 2018. Remember to logout when your lab is finished.

*Assignment*

Your assignment for this week is to complete the **New User's Tour**. Also, you may want to review the Calculus I Maple labs (http://people.math.sc.edu/calclab/141L-S19/). This will give you a solid foundation to begin working with Maple next week.