

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 MS 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 MS network and Maple 16. You will learn how to login and logout of the network and how to access Maple 16 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 MS 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.
- Your permanent *username* in the MS network is the same as your Blackboard username. Your initial MS *password* is your nine-digit student ID number.
- If you have trouble with your username login, tell your TA and ask for a temporary login. Don't save anything on the computer with a temporary login. **All temporary logins will be disabled within a week.**
- Once you are logged in, take a look at your Windows desktop. You should see several icons, including ones for *Internet Explorer* and *Maple 16*. To see your personal folder on the MS network, open **My Computer** and click the **Z:** drive.
- Change your password. To do this, press **Ctrl-Alt-Delete** and then click the button labeled **Change Password**. You will need to re-enter your current password, and then your new password (twice). The system may not accept passwords that are simple words or otherwise too easy to guess.
- To logout of the MS network, press **Ctrl-Alt-Delete**. Click on **Log Off ...** confirm that you want to logout by 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 16 icon on the desktop. When Maple 16 starts, a Tip of the Day will be displayed. These tips can be useful, but most of them will not be relevant to you at this point. Our task for today is to set up the interface of Maple 16 to our standard.

Maple Preferences

Each user must configure Maple upon initial entry. **You must set your preferences as specified in this document.** Otherwise, you will not be able to follow the labs, and the information the TA gives you may not work properly.

- Display The display options are available from the Maple 16 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
 - Click **Apply Globally**.
- Palettes The palette options are available from the Maple 16 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, and Expression**.
 - Click **OK**.
- Finish Close out of your Maple session and re-open Maple 16. You should only see three palettes on the left of your screen. You should see a red Maple prompt ($>$).

Accessing the Internet and Lab Materials

- Internet Explorer is the standard browser provided in the MS 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 homepage (<http://www.math.sc.edu/calclab/142L-F12/>). Add this page to your list of favorite websites by selecting **Add to Favorites** under the **Favorites** menu at the top of the window.
- 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, double click on the **New User's Tour**. Your TA will walk you through this interactive introduction to Maple 16. Remember to logout when your lab is finished. **Note: If you cannot open the New User's Tour directly from the webpage, save the file to the desktop. Right-click and choose Open with Maple 16.**

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://www.math.sc.edu/calclab/141L-S12/labs/>). This will give you a solid foundation to begin working with Maple next week.