

Getting Started

Your **MapleCalculus** folder contains the master file **contents.mw** and the utility file **maple.ini** (discussed below) plus two subfolders:


- The **chapters** folder contains 15 Maple worksheets, one for each of the 15 Chapters in the textbook: **Calculus, 6th Edition** by **C. Henry Edwards and David E. Penney**.
- The **toolbox** folder contains the folder **CalculusToolbox** and the **lib** folder in it. The files in this folder extend the basic functionality of Maple in connection with the worksheets. The Maple command **?calc** and **?calcplot** gives you an overview of the extra packages.
- The Maple worksheet **contents.mw** is a [hyperlinked](#) table of contents file. From this file you can reach all the worksheets, which can be executed interactively.
- The file **maple.ini** automatically loads the most used packages in the Maple system.

Installation Instructions

The worksheets in the **MapleCalculus** folder are to be used with versions of Windows Maple from version Maple 14 or later, which must be installed on your computer.

- If you have not done so already, unzip (extract) the content from the compressed file **MapleCalculusIII.zip**. This zip file contains the folder called **MapleCalculus**
- Place the **MapleCalculus** folder some place on your hard disk, for instance at the top level on your **c:** drive (**c:\Maple**)
- **Important!** This e-book uses a custom Maple library which must be placed in a Maple **toolbox** folder for the e-book to function properly. Inside the **MapleCalculus** folder, you will find a folder called **toolbox**. Move this entire folder into the Maple installation directory, usually for instance **c:\Program Files\Maple Version\toolbox**. If you already have a **toolbox** folder, place the folder **CalculusToolbox** in your own **toolbox** folder.
- Move the **maple.ini** file into the **lib** folder where Maple is installed, **c:\Program Files\Maple Version\lib**

Using Calculus with Maple

- Open the **contents.mw** worksheet in your **MapleCalculus** folder
- Select the link to the chapter and section you wish to study
- Open and press the **Enter** key repeatedly to execute in sequence the Maple commands that are already provided, or press the  key to execute the entire worksheet
- It is not necessary to load any Maple packages, which you normally have to do getting Maple commands to work. This is done automatically in all the worksheets by the [initialization](#) file **maple.ini**

- You can change input data and conditions in any of the examples in the worksheets to investigate the resulting changes in step-by-step solutions and accompanying graphs and figures. You should save such altered worksheets in a separate folder
- All commands used in the worksheets are hyperlinked to provide easy access to the help pages for the commands