Getting started in Pictures

Siarhei Arlou

Mechanics of Materials 2

ToolBox for Maple™

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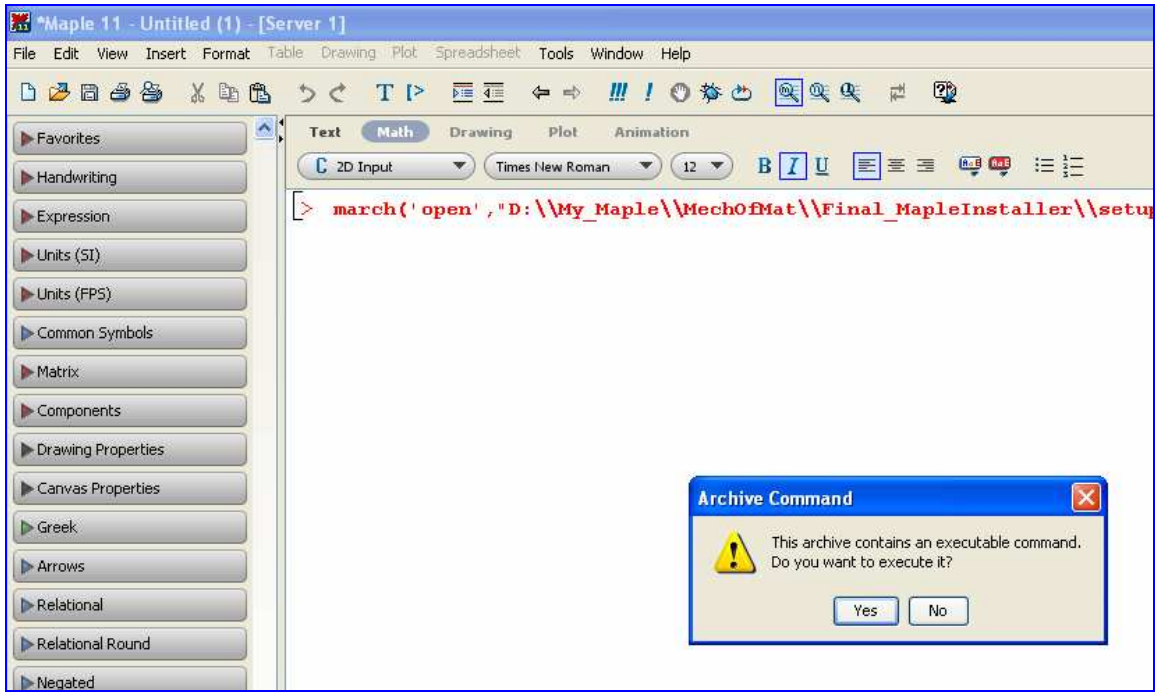
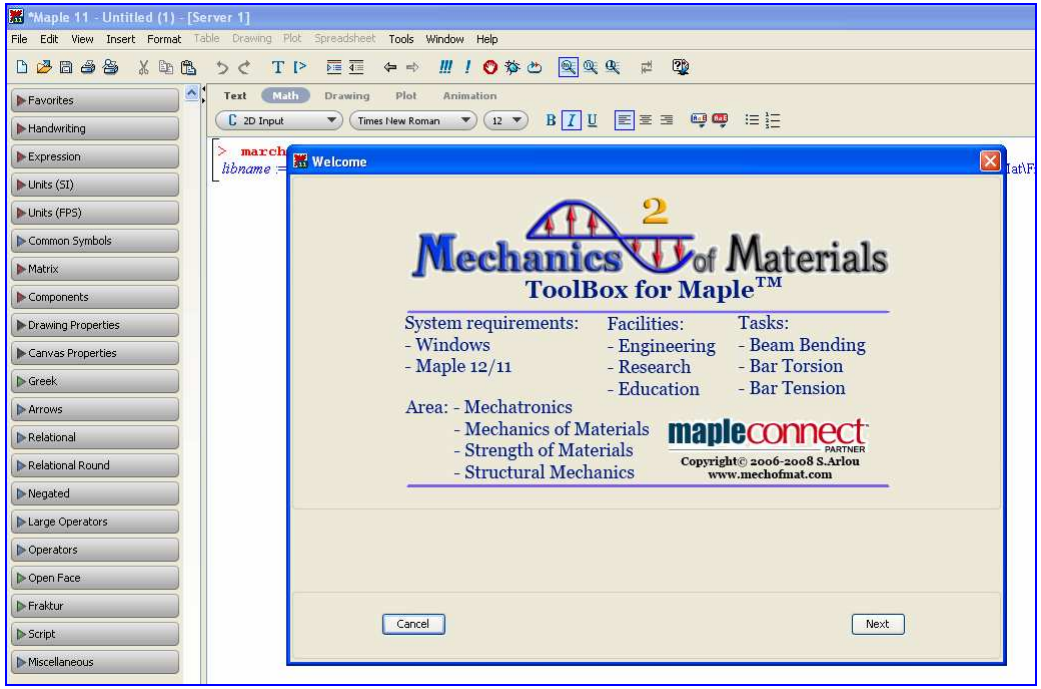
www.mechofmat.com

Installation Steps

1. System Requirements:
   - Windows;
   - Maple 11 or Maple 12.
2. Please open downloaded Maple archive file **setup.mla** in Maple Standard interface (or double click this file simply).
3. You will invite to run this archive like this

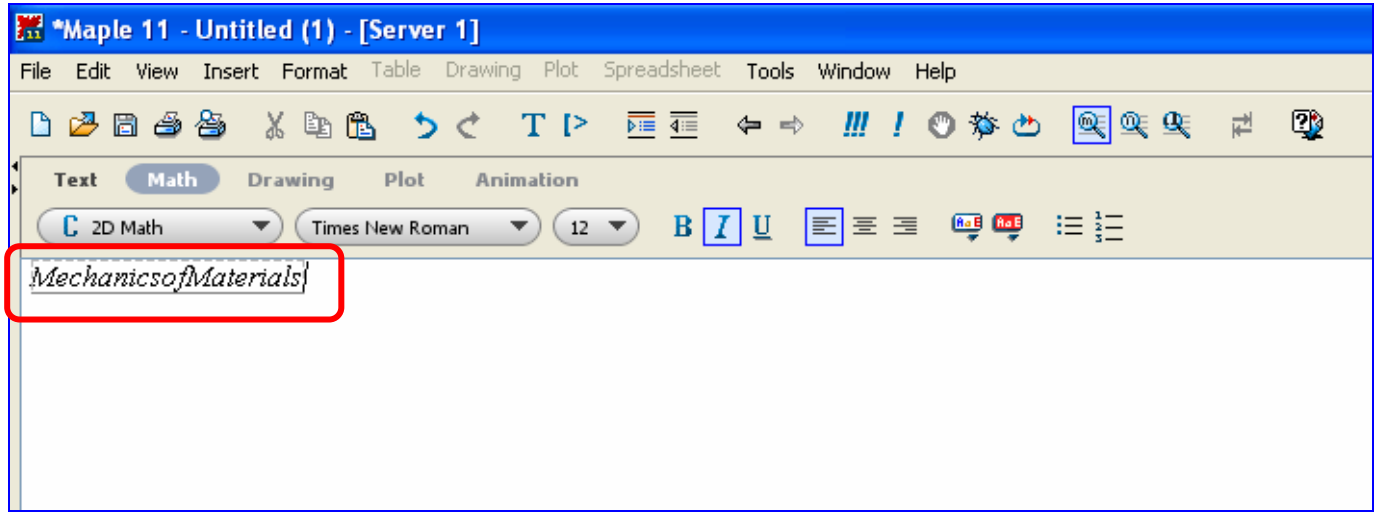


4. Click Yes. The Welcome window appears.



5. Click Next and please follow simple offers.
6. If you agree with License Agreement, click next.
7. For correct Mechanics of Materials™ Toolbox work it requires to reboot Maple session. Installation operations are finished.

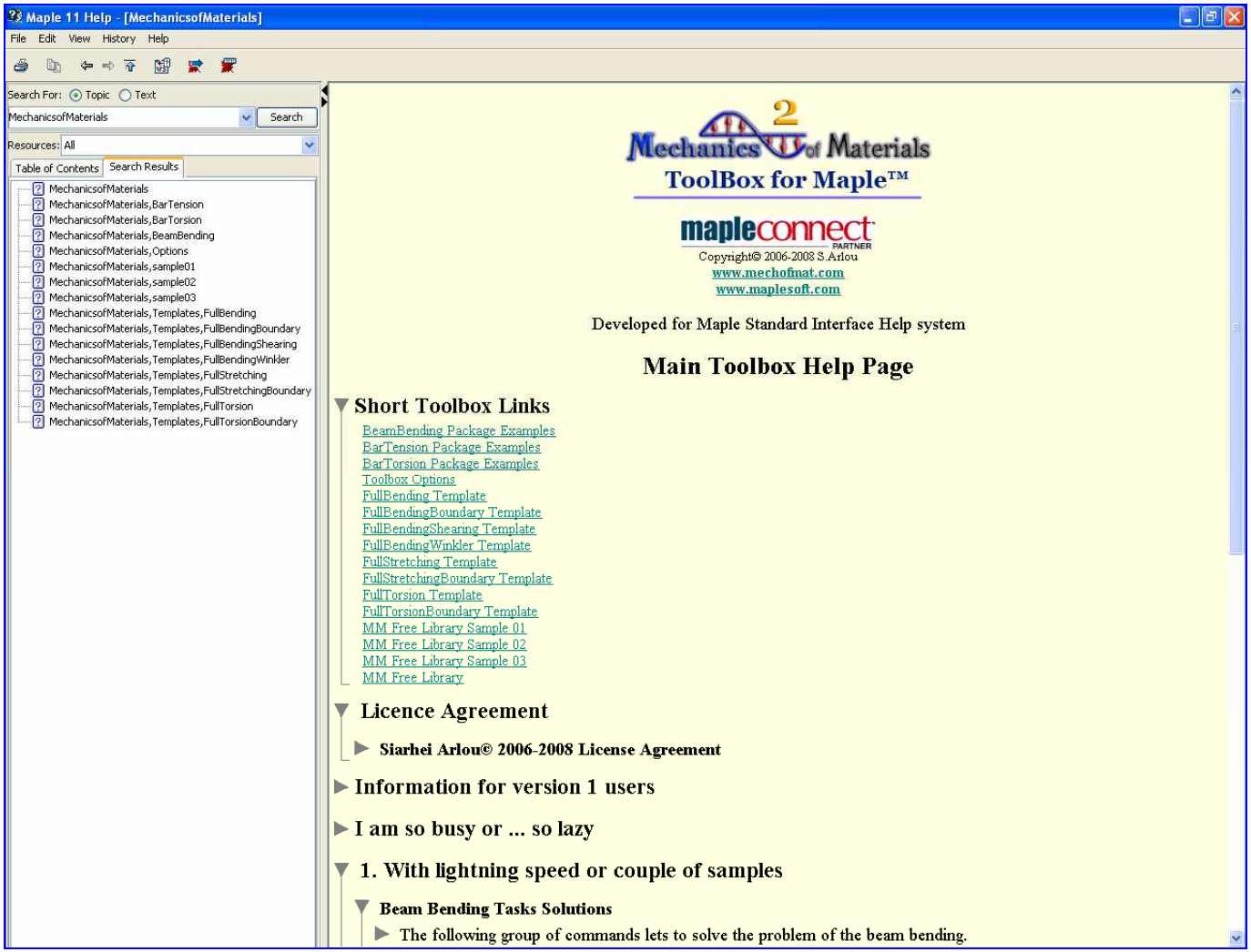
Easy Start



The Mechanics of Materials toolbox was developed for the Maple standard interface. To begin working with a Mechanics of Materials, use the examples located in toolbox library **Help**. You may also use the predefined **Templates** (more information will follow).

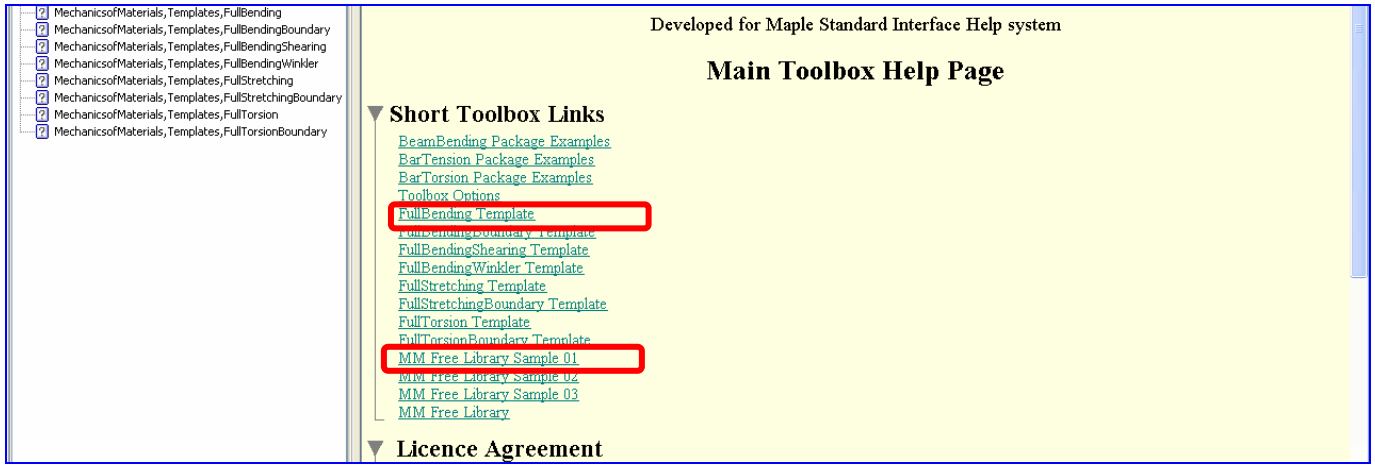
Press the **F2 button** in the MechanicsofMaterials line to open the **Help** section.

Mechanics of Materials™ Toolbox for Maple™



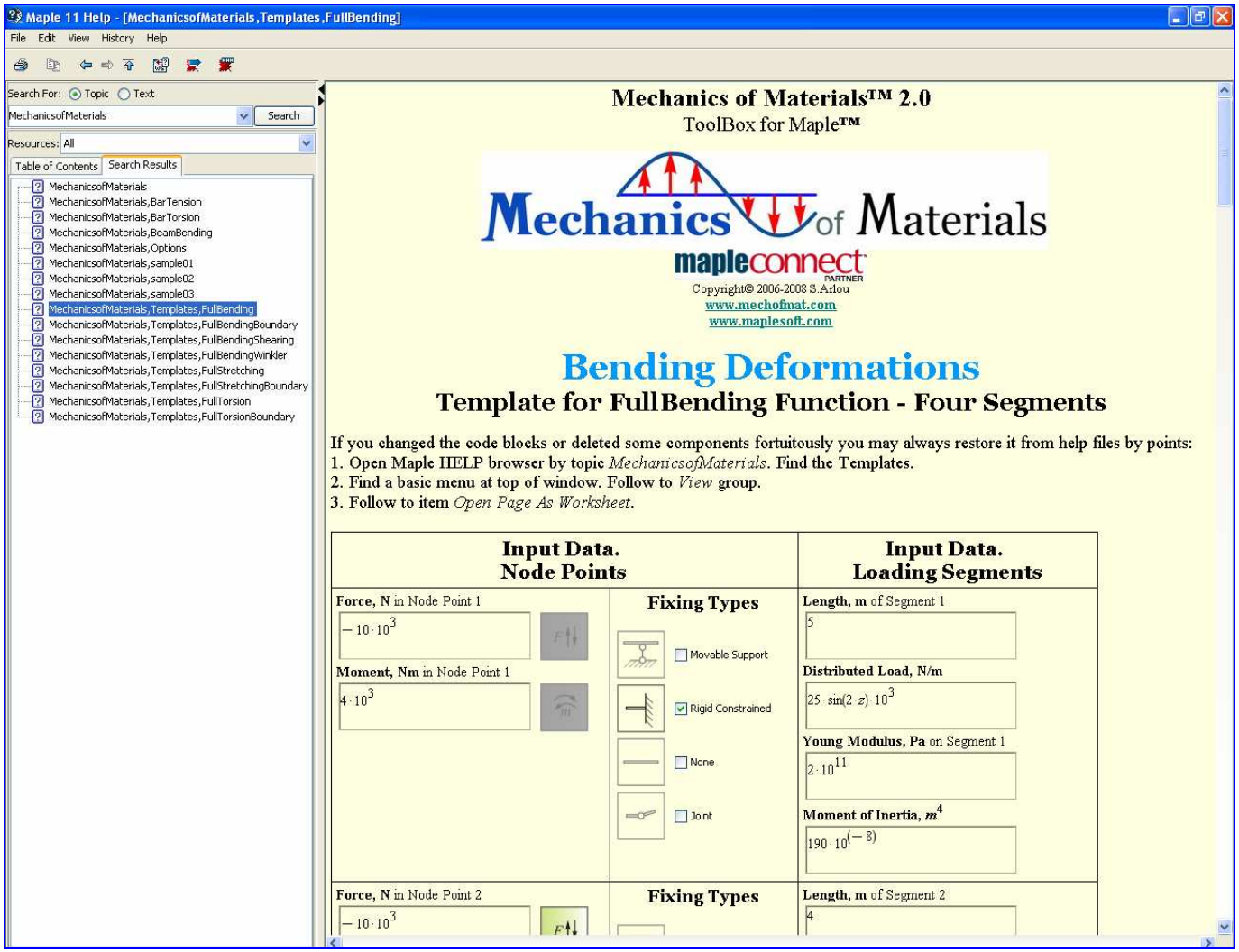
The **Help** page for the Mechanics of Materials toolbox is shown.

Mechanics of Materials™ Toolbox for Maple™

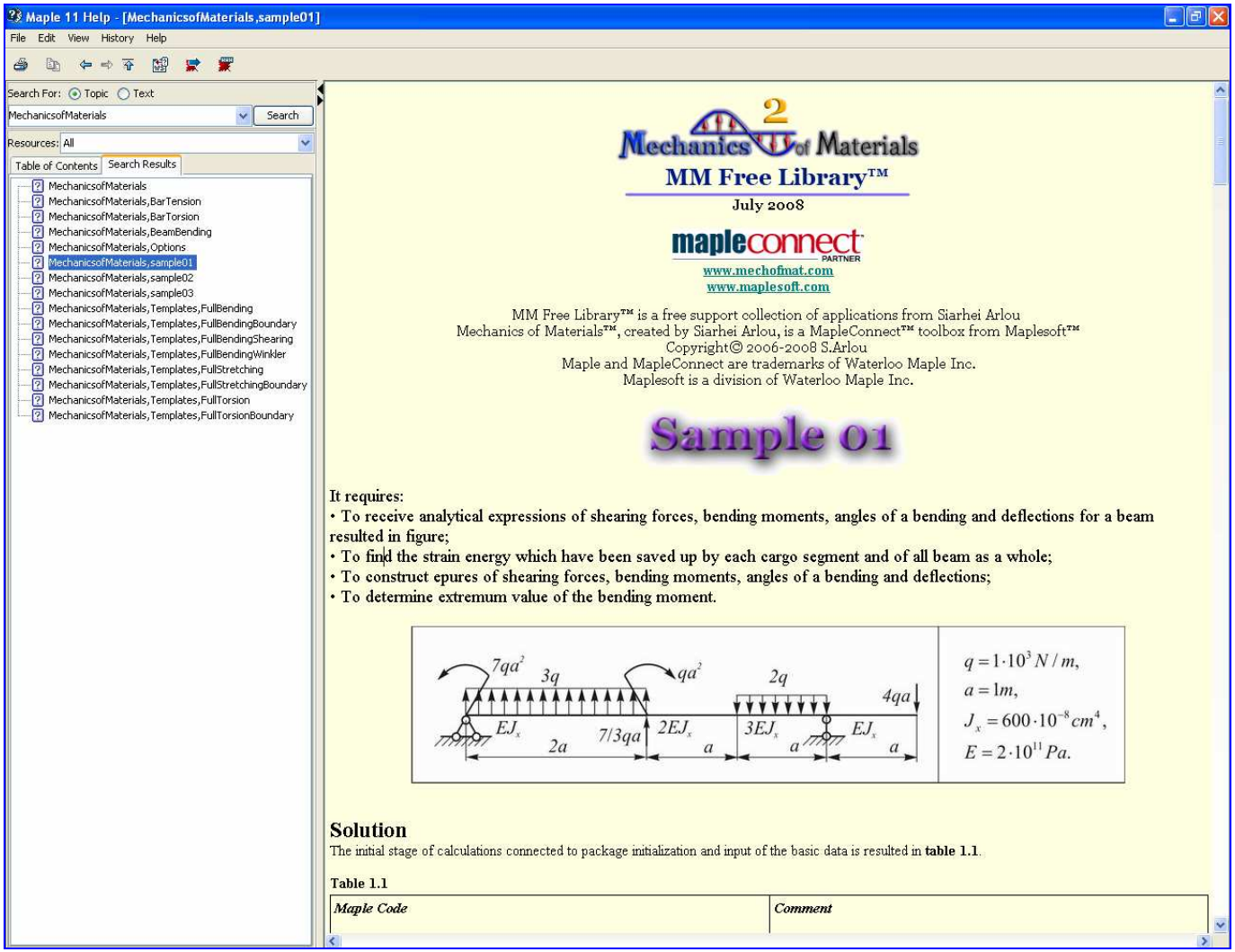


An easy way to start is by using the Templates or (and) MM Free Library™ samples.

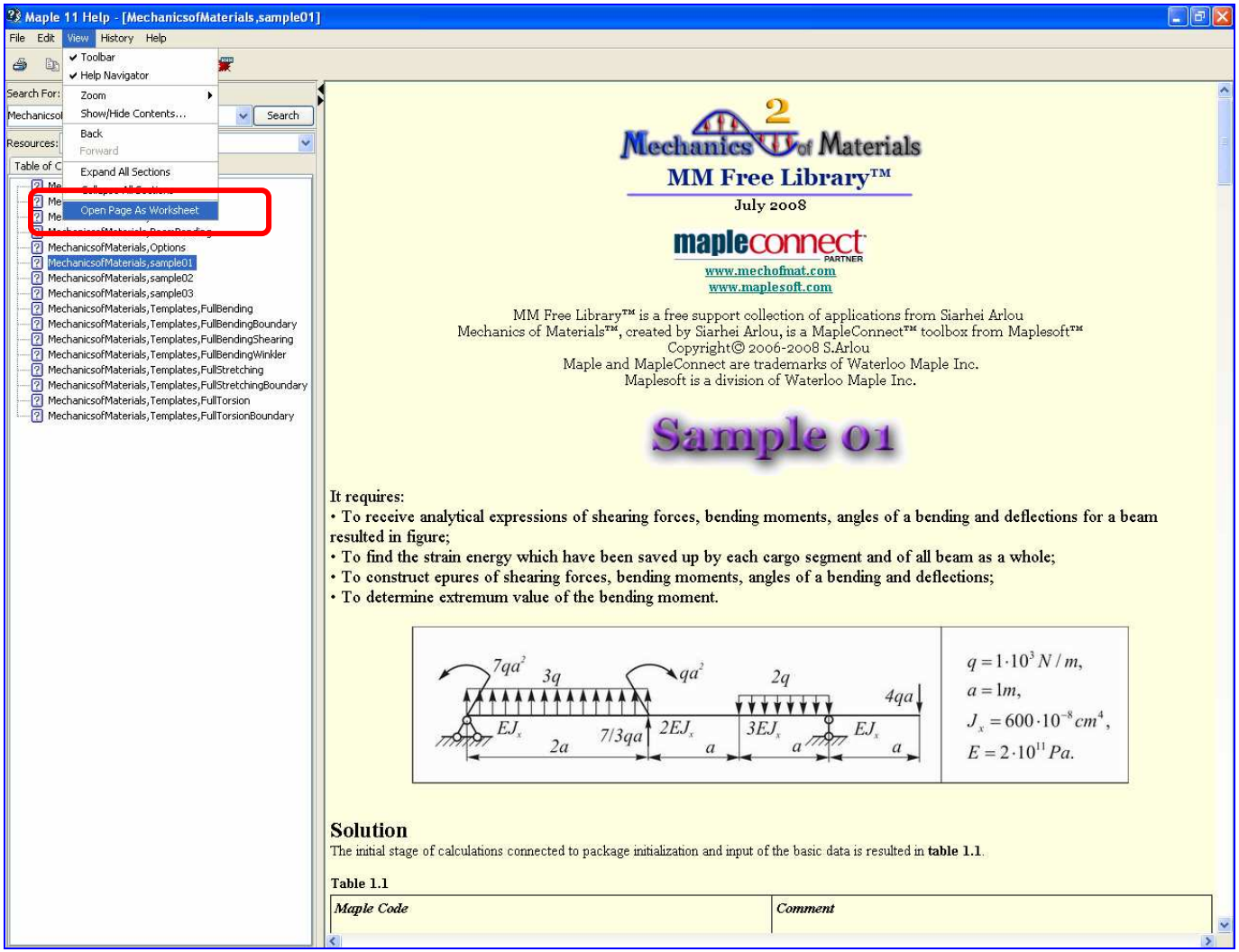
It is possible to view the selection by one click in Maple help page.



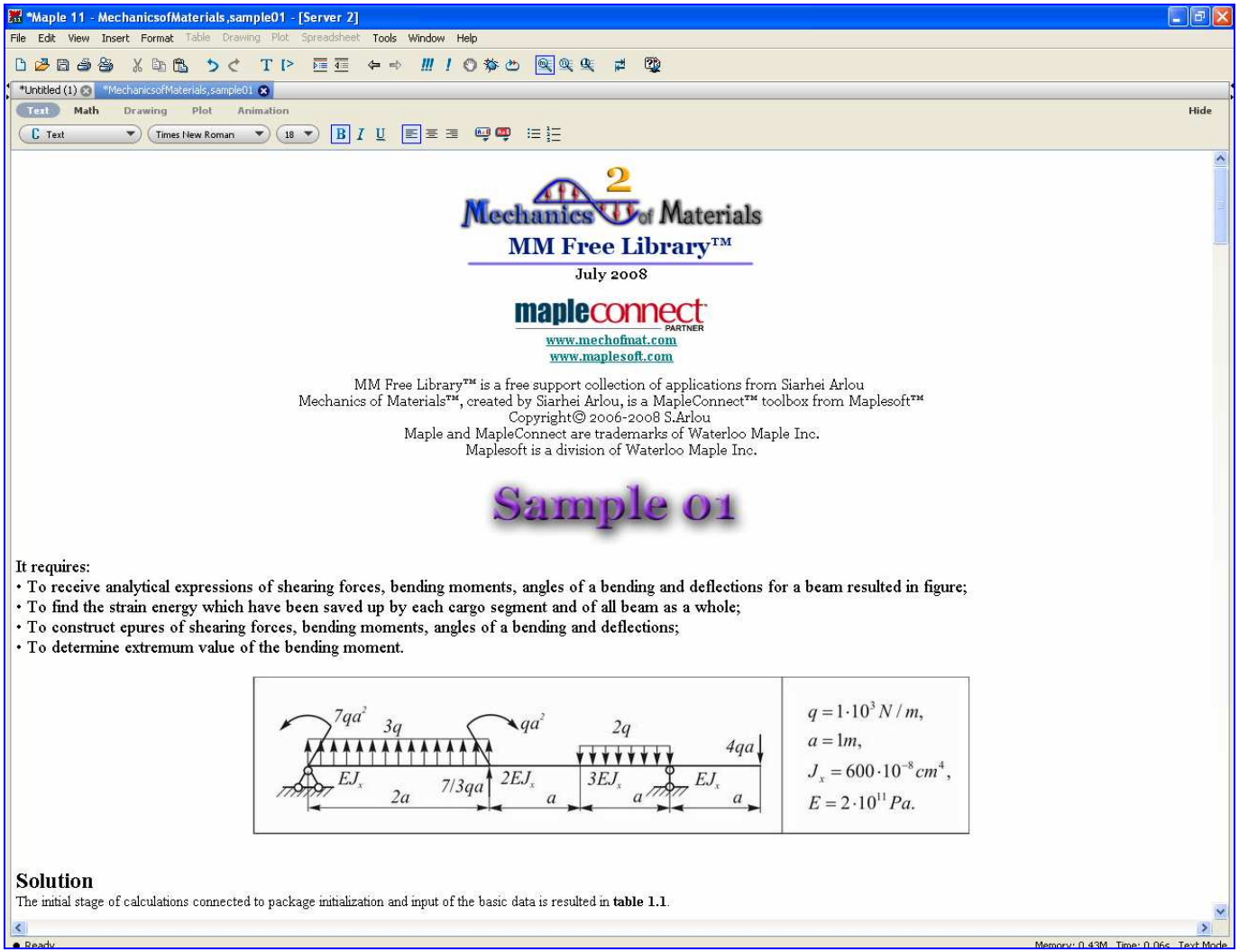
For example, the calling of **MechanicsofMaterials > Templates > FullBending** displays the following results.



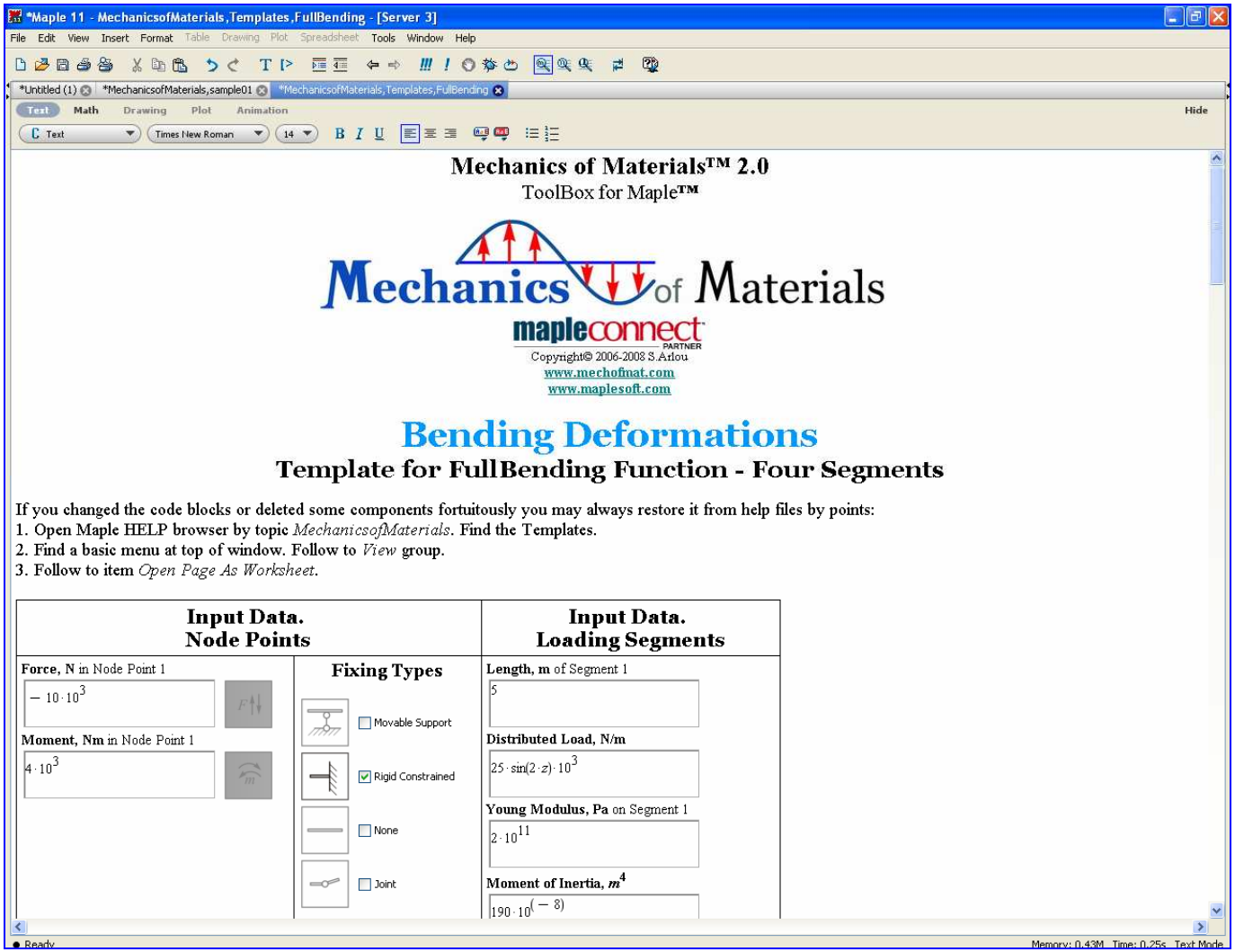
Another example, calling **MechanicsofMaterials > sample01** displays the following results.



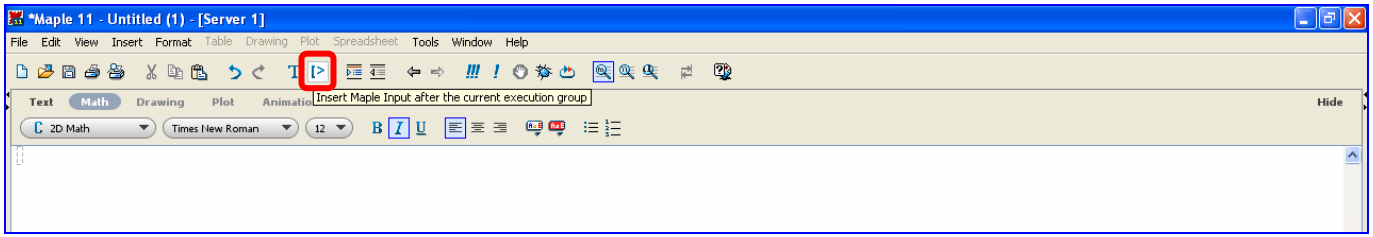
There is simple way to display a help page article as a Maple worksheet. Navigate to **View** then click **Open Page As Worksheet**.

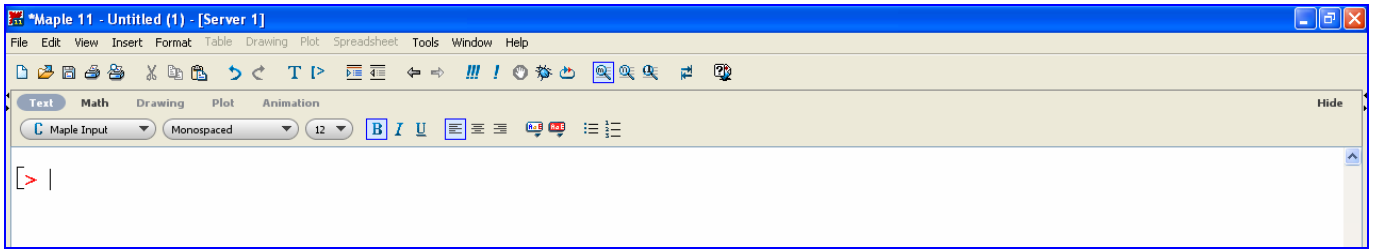


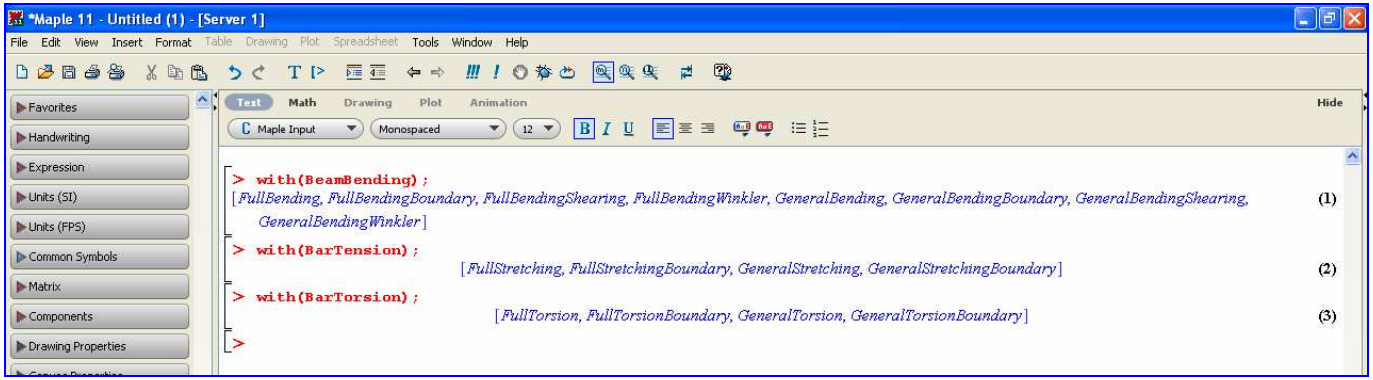
With the article presented as a worksheet, it is now possible to can browse, calculate and change the document.



It is also possible to use a Template (Ex: Beam bending task) as an interactive Maple document.



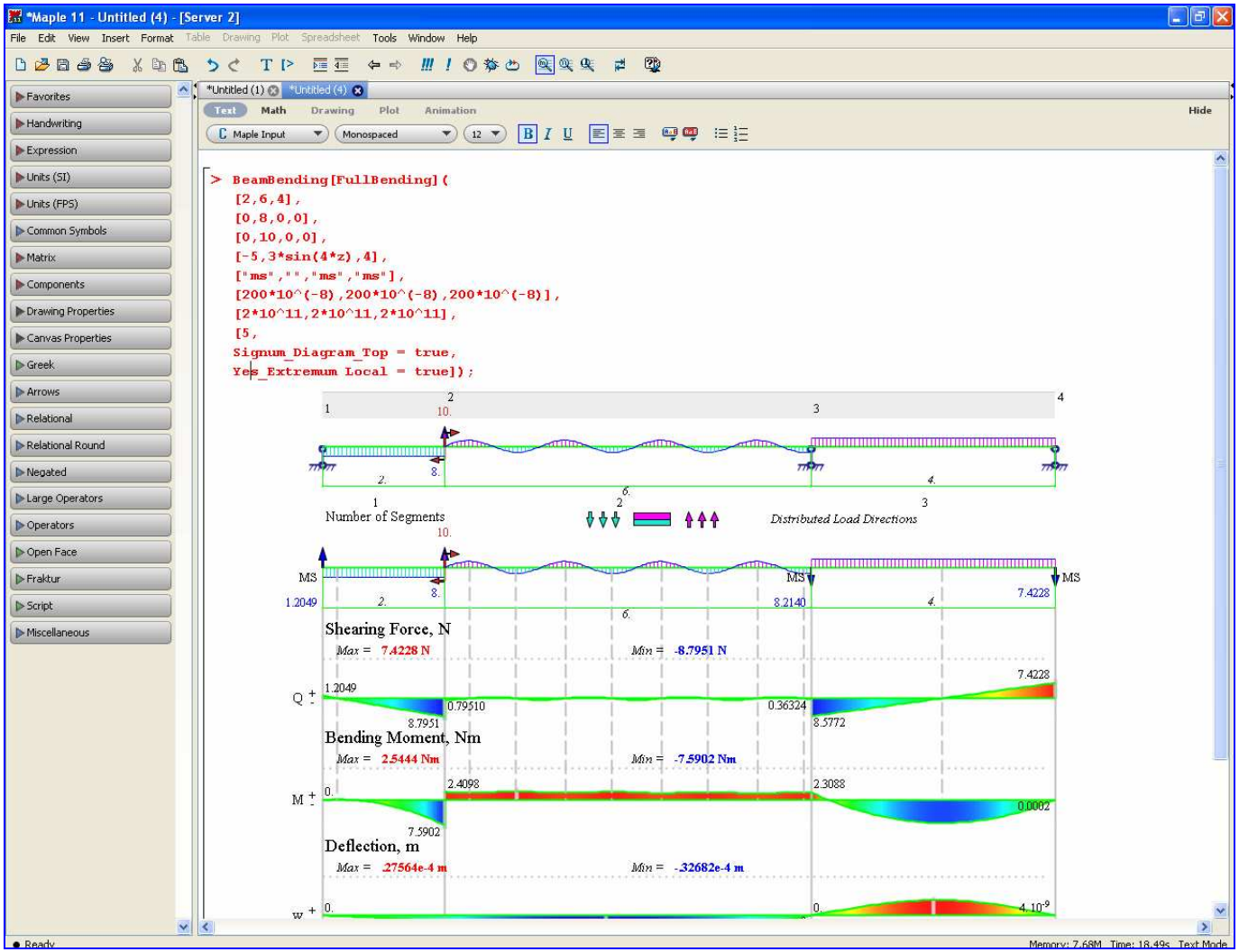




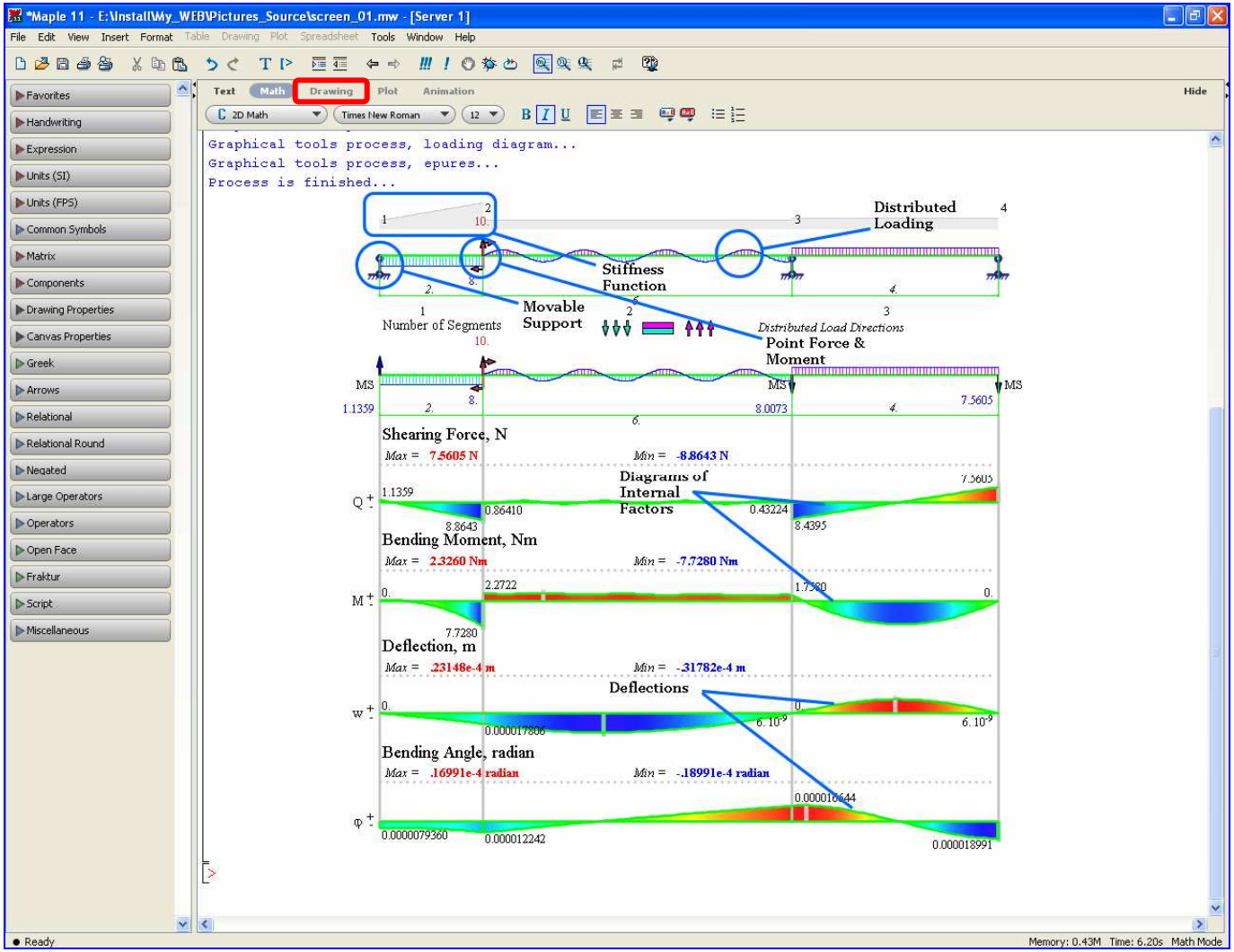
The Maple programming environment provides powerful opportunities for modeling your own tasks. To use this mode, press the button labeled “Insert Maple Input after the current execution group”. Then press **Ctrl+M** to enter Maple Input Mode.

All sixteen functions are available by using references to the toolbox packages.

You may also use short form commands to access some functions by using the following format **PackageName [FunctionofPackage] (InputData);**. For detailed information about package application, please see the topic **with** via Maple help.



It is also possible to copy code blocks from the Mechanics of Materials help page and paste them into a Maple worksheet.



Drawing Mode may also be used to enhance and isolate some of the graphical outputs.