

## How to install and use Comsol Multiphysics 5.4

All the interactive simulation tasks will be executed by using COMSOL Multiphysics®, which is a general-purpose simulation software for modeling designs, devices, and processes in all fields of engineering, manufacturing, and scientific research.

### If you don't want to install Comsol Multiphysics to your laptop:

<https://wiki.aalto.fi/pages/viewpage.action?spaceKey=AaltoWin&title=Aalto+IT+Windows+Classroom+Software+list>

Comsol Aalto:

Classrooms (all except ARTS and BIZ specific) - Windows

ELE Classroom Laptops

PHYS OppLab

### How to install Comsol Multiphysics 5.4 to you own computer:

1. Go to webpage <https://download.aalto.fi/>

2. Choose “software for students’ home computers”

The software available for download can be accessed via the links below.

→ Software for students' home computers  
Software for employees' home computers  
Installation media for Aalto workstations

3.

3. Search from the list Comsol Multiphysics and click Comsol Multiphysics 5.4.0.246 (Win/MacOS/Linux ISO) to download the file.

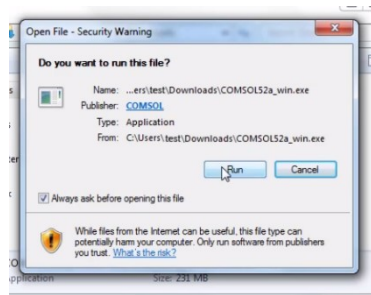
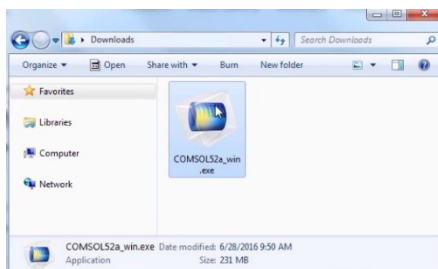
#### Comsol Multiphysics

Aalto campus license also covers staff and students home computers. NOTE: In centrally managed Aalto workstations Comsol is updated to the newest version on every summer and winter break, so the newest version here might be different.

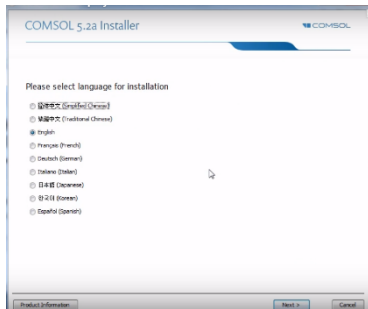
↓ Comsol Multiphysics 5.4.0.246 (Win/MacOS/Linux ISO) ←

Comsol Multiphysics 5.3a (Win/Linux ISO)  
Comsol Multiphysics 5.3a (MacOS)  
Comsol Multiphysics 5.2a (ISO)  
Comsol Multiphysics 5.2 (ISO)  
Passcode for version 5.4 (Win/MacOS): 9FFF1F8794D10-PYFI-200701-10072742-F4F2269354  
Passcode for version 5.3a (Win/MacOS): 9FFF1F8794D10-TYFI-200701-10072742-78754690  
Valid until: \*\*\*\*\*-YYMMDD-\*\*\*\*\*  
If you want to renew the code you need restart installation from the DVD but choose "Change license" in the beginning.  
For Linux you need to borrow a license from the Aalto license server with these instructions.

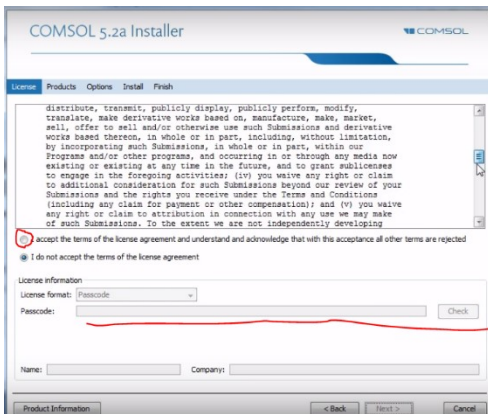
4. After downloading, run the installer from your download's directory.



5. Choose language and then new Comsol installation.



6. Accept the terms of the license. Use copy and paste for the passcode that can be found from the *download.aalto.fi*.



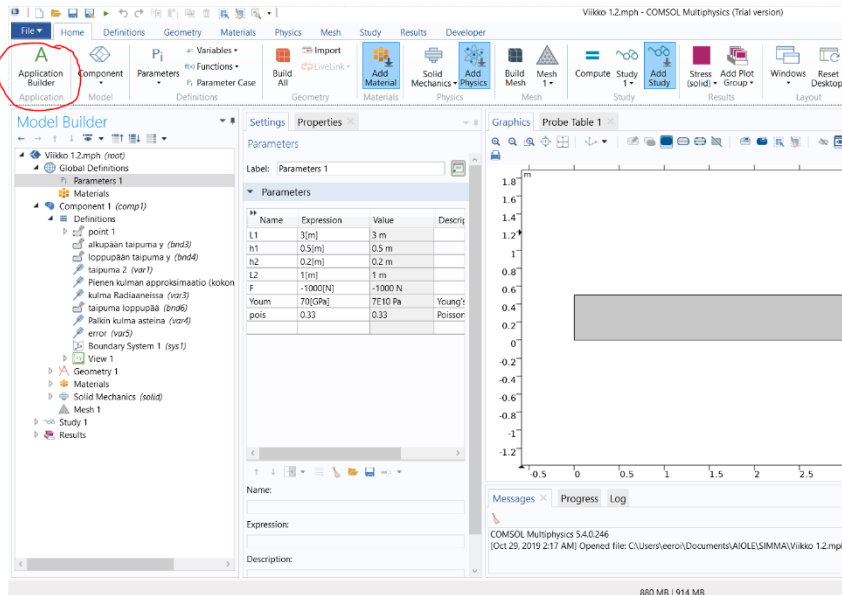
Comsol Multiphysics 5.4.0.246 (Win/MacOS/Linux ISO)  
 Comsol Multiphysics 5.3a (Win/Linux ISO)  
 Comsol Multiphysics 5.3a (MacOS)  
 Comsol Multiphysics 5.2a (ISO)  
 Comsol Multiphysics 5.2 (ISO)  
 Passcode for version 5.4 (Win/MacOS): [9FFF1F8794D10-PYFI-200701-10072742-F44F22A83B54](#)  
 Passcode for version 5.3a (Win/MacOS): 9FFF1F8794D10-TYFI-200701-10072742-787345690  
 Valid until: \*\*\*\*\*-\*\*-YYMMDD-\*\*\*\*\*  
 If you want to renew the code you need restart installation from the DVD but choose "Change license" in the beginning.  
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7. Stick with the default recommended settings (you can click the "next" button until you are able to press the "install" button. After the installation, **everything is completed**.

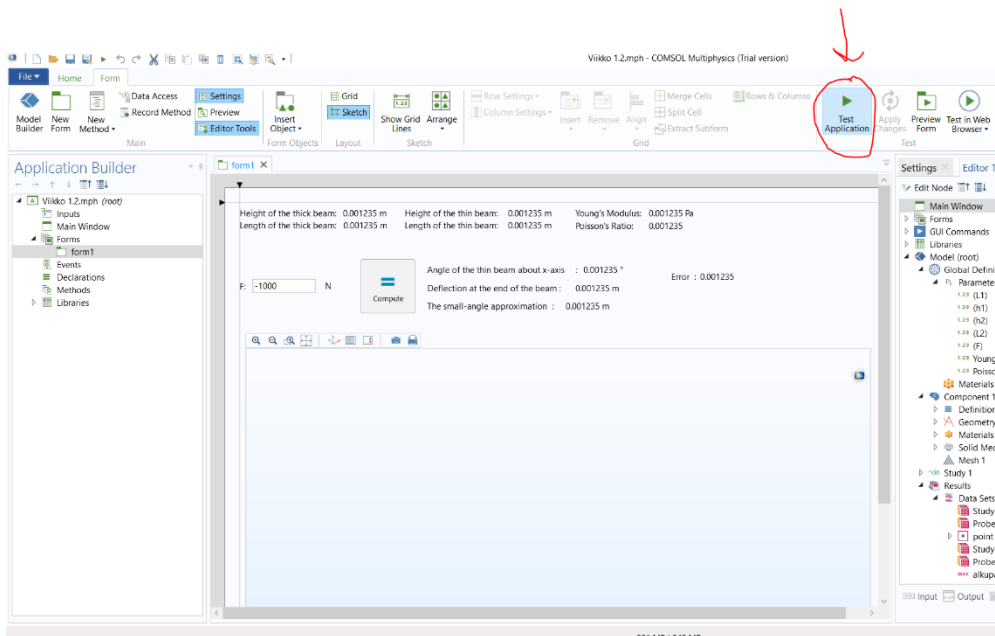
**On the next page: How to use Comsol Multiphysics applications →**

## How to open the interactive simulations in Cmsol Multiphysics:

1. Download Cmsol task files from Mycourses → Assignments → Interactive simulations
2. Open the file in Cmsol → Press Application Builder button that is located in Home tab.



3. Now you are in the application builder window. Press "Test Application" and the simulation will appear to a new window.



4. If there are some errors occurred, the simulation window can be closed normally by clicking “X” without closing the program itself. After that, test the application again.

