

## OOMMF Micromagnetic installing instructions

OOMMF is a completely functional micromagnetics package designed in the Applied and Computational Mathematics Division (ACMD) of ITL/NIST, in cooperation with MICROMAG. The execution of OOMMF requires TCL/TK, before installing OOMMF, it is necessary to download and install ActiveTcl.

If you have a **WINDOWS** OS (really?) follow these steps:

- Go to <https://www.activestate.com/activetcl/downloads>
- Register to the ActiveState portal
- Download version 8.6.x of ActiveTCL;
- An executable file will be downloaded, execute it and complete the installation procedure (Microsoft Visual C++ will be installed during the installation procedure).

Therefore, OOMMF can be installed.

- Go to <https://math.nist.gov/oommf/software-12.html> Download “OOMMF 1.2 beta 2 (30-Sep-2018)”: Source with pre-compiled 64-bit Windows executables (x64) for 64-bit Tcl/Tk 8.6.x, pkzipped archive (19 665 140 bytes). Built for use with ActiveTcl 8.6.6 or later.
- A compressed file (\*.zip) will be downloaded, uncompress it to create the ‘oomff’ folder. IMPORTANT: do not uncompress the \*.zip file in your Download folder, because the folder you chose will be used to run the program. Chose a proper folder (e.g. C:/, the procedure will automatically create a folder named ‘oommf’ if the ‘extract all’ command is used).
- Once you uncompress the \*.zip file, oommf is ready-to-run. There is not install procedure needed.

If you have a **LINUX** OS these are the steps:

- download zipfile with source from <https://math.nist.gov/oommf/software-12.html> OOMMF 1.2 beta 4 (30-Sep-2020). Source-only gzipped-tar file
- Install on platform tclsh
 

```
apt-get install tcl8.6 tcl
apt-get install tcl8.6-dev
apt-get install tk8.6-dev
tclsh oommf.tcl +platform
```
- Compile oomf
 

```
tclsh oommf.tcl pimake distclean
tclsh oommf.tcl pimake upgrade
tclsh oommf.tcl pimake
```
- launch a test
 

```
tclsh oommf.tcl
```

a small window with the name of your computer should appear.