

# Install FreeFem++ on Windows

- Download the latest version of FreeFem++ for Windows from the [official page](#) (no -cs version or other forks).
- Install the software **without** changing the installation path. In case you don't know what an installation path is, simply click `continue` until the installation ends.
- In order to let FreeFem++ be launched from any place in the pc, you just need to [download](#) and run the batch file `freefem_env_var.bat`. If administration privileges are required, allow them.

Tested on FreeFem++ 3.36 and Windows 8.1.

## Set text editor preferences for FreeFem++

The suggested text editor is Notepad++, that is free and can be downloaded from the [official site](#). In order to set Notepad++ syntax highlighting for FreeFem++ follow these instructions:

- Perform the last step of previous list, if you have not already done.
- Open Notepad++ and click F5.
- In the appearing bar type `freefem++` and click the *Save* button.
- Type `freefem++` in the field *Name*, mark the fields *Alt* and *Shift* and select the letter *R* from the menu, then click *Save*.
- Go to the headbar and select the *Settings* menu (should be the seventh from left) and click on *Style Configurator*.
- Select C++ from the Language menu and type `edp` in the *User ext.* field (bottom left).
- Select INSTRUCTION WORD from the Style menu, then copy/paste the following red text in the *User-defined keywords* field:  
`P0 P1 P2 P3 P4 P5 P1dc P2dc P3dc P4dc P5dc RT0 RT1 RT2 RT3 RT4 RT5 macro plot  
int1d int2d solve movemesh adaptmesh trunc checkmovemesh on func buildmesh square  
Eigenvalue min max imag exec LinearCG NLCG Newton BFGS LinearGMRES catch try  
intalldges jump average mean load savemesh convect abs sin cos tan atan asin acos  
cotan sinh cosh tanh cotanh atanh asinh acosh pow exp log log10 sqrt dx dy endl cout`
- Select TYPE WORD from the Style menu, then copy/paste the following red text in the *User-defined keywords* field:  
`mesh real fespace varf matrix problem string border complex ifstream of- stream`
- Click *Save & Close*.

Adapted from the official FreeFem++ documentation and tested on Notepad++ v6.5.1.