SpinW Installation

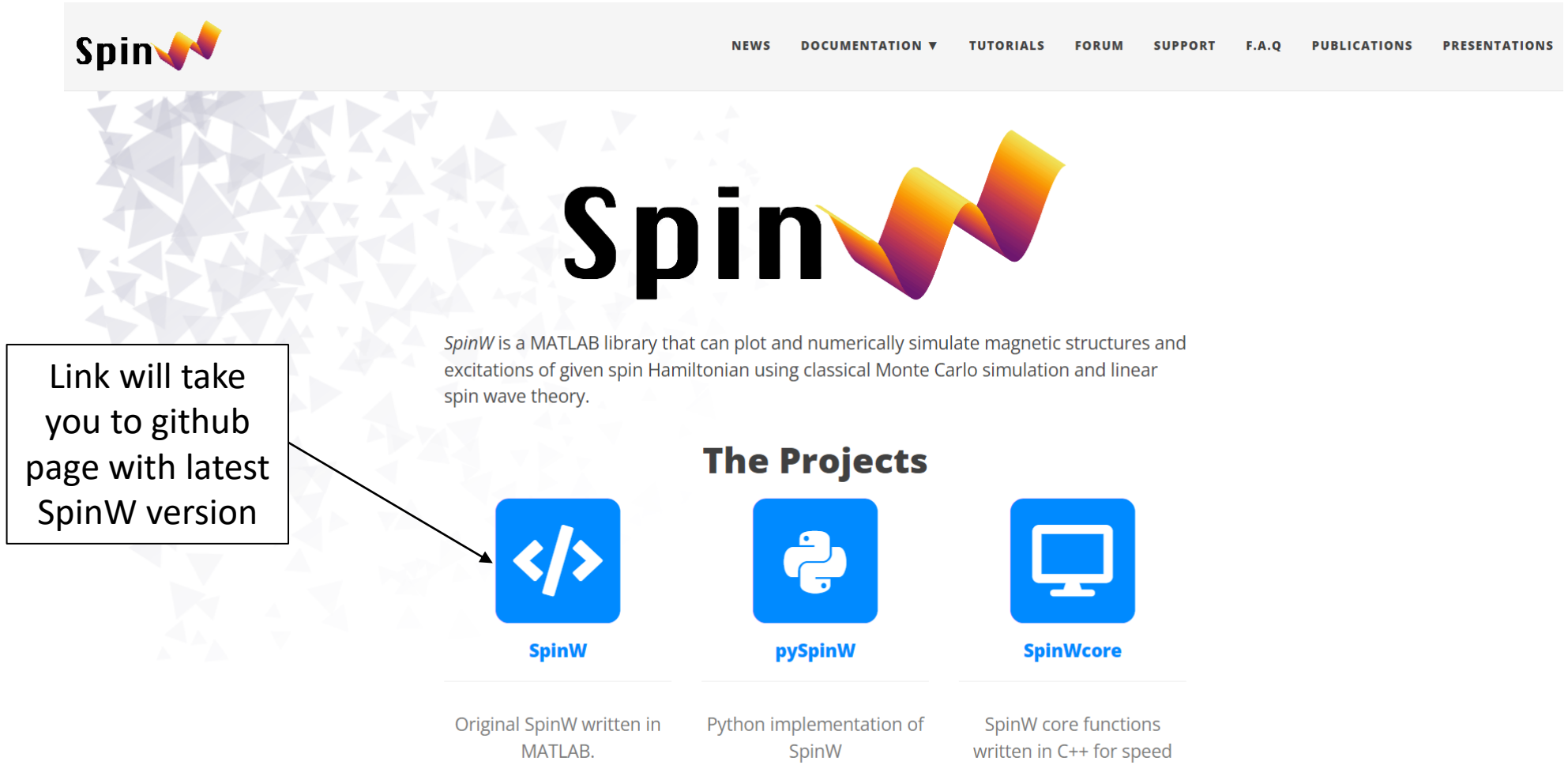
Must have MATLAB already installed on your computer

Latest version and all releases can be found here: https://github.com/spinw/SpinW

Installation instructions can be found here: https://spinw.org/installation/ or follow this tutorial

Questions/problems: yang.zhao@nist.gov

spinw.org

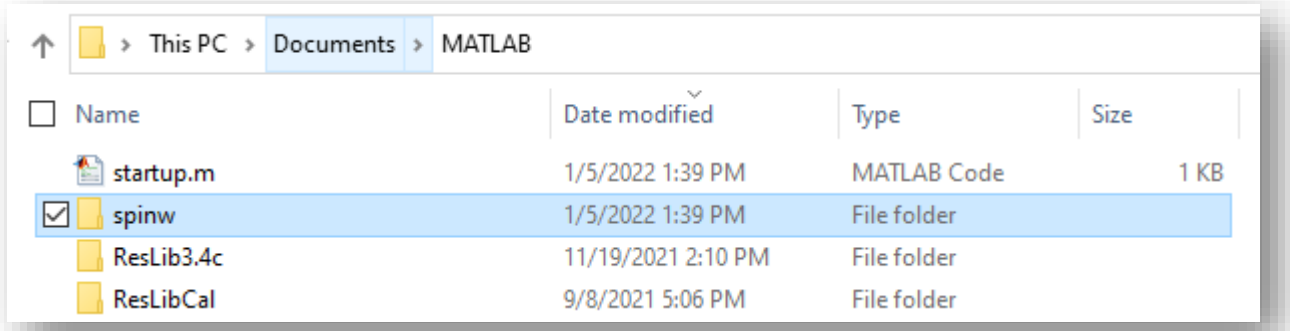


Link will take you to github page with latest SpinW version

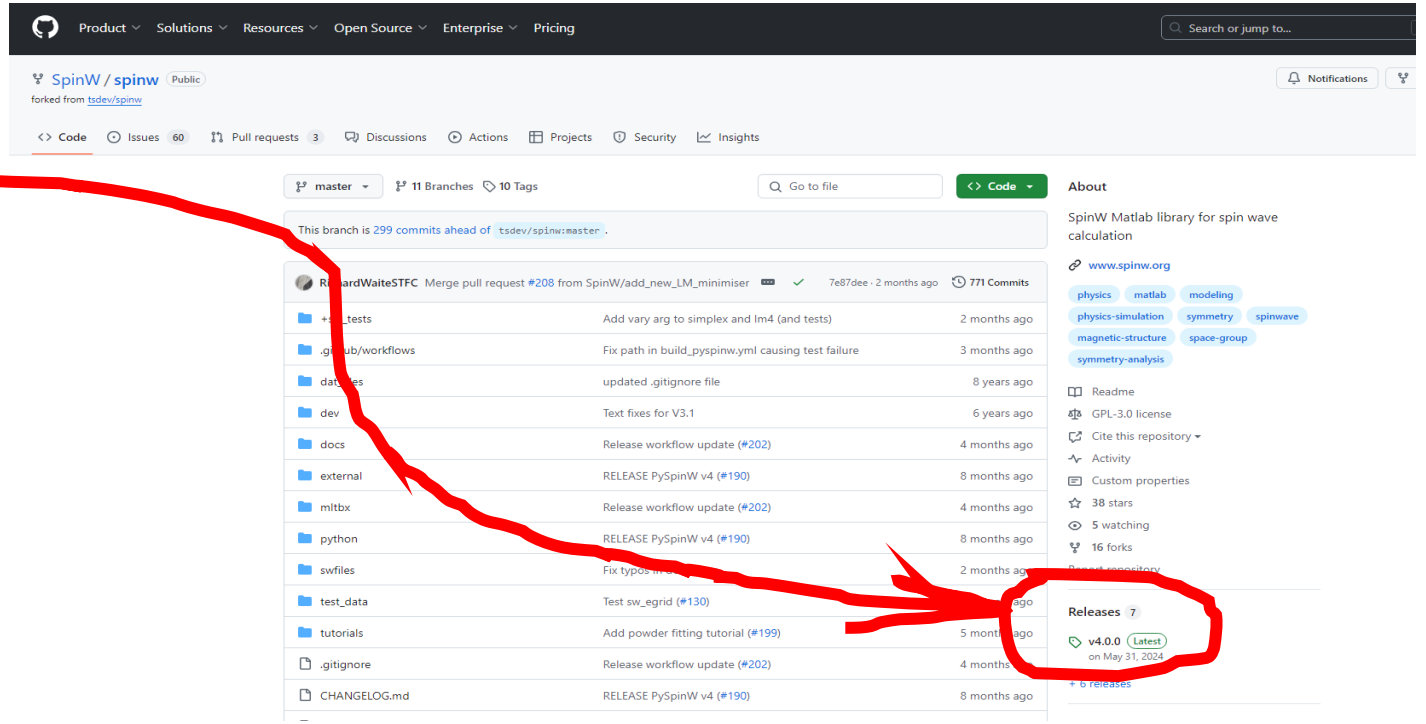
Installing SpinW from scratch…

- Make a folder called “spinw” in a convenient location *e.g.* the userpath folder, usually in:

•Windows: %USERPROFILE%/Documents/MATLAB
•Mac: $home/Documents/MATLAB
•Linux: $home/Documents/MATLAB if $home/Documents exists

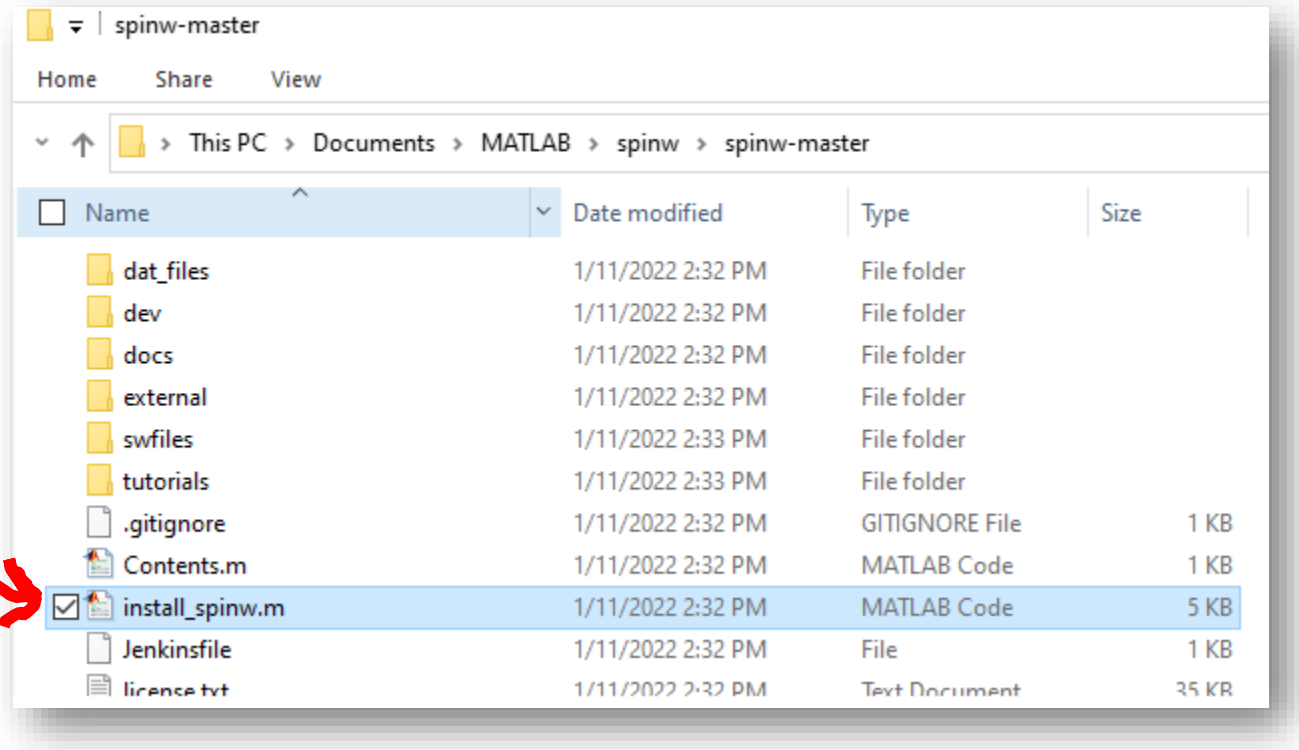


- On github page (https://github.com/spinw/SpinW), navigate to the latest version
- Download the source code (zip) and extract files into the spinw folder you created



Installing SpinW from scratch…

- Open “install_spinw.m” in MATLAB and run the script. Type ‘y’ for all prompts. This will add the folder with the SpinW files to the startup path so your scripts using SpinW functions can always access the needed files.



Installing SpinW from scratch…

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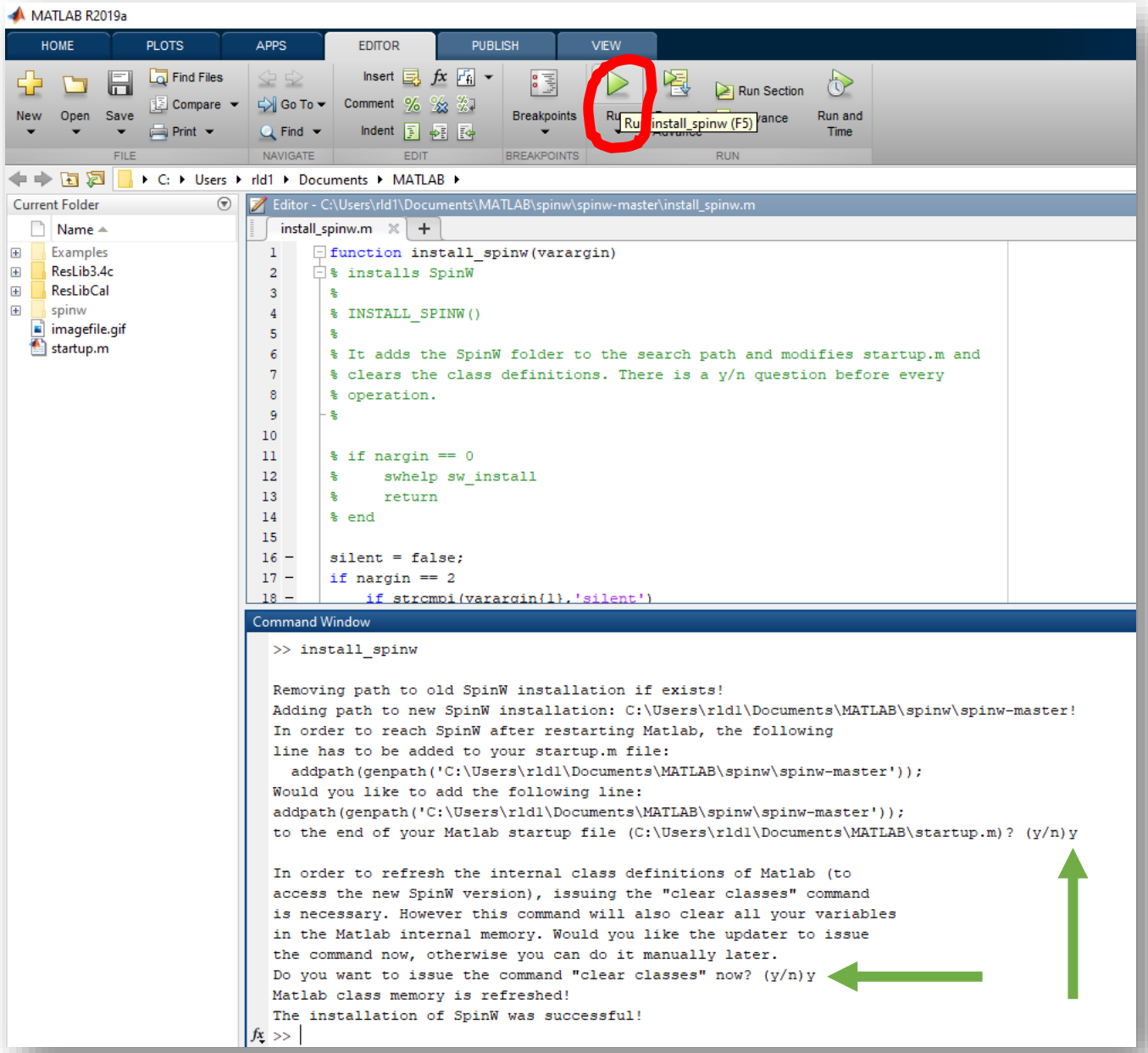
  - If the install is not successful, make sure you have a “startup.m” file is in the right place. It should be in your userpath folder. Type `userpath` in the MATLAB command window to see where yours is. See https://www.mathworks.com/help/matlab/ref/startup.html for more information
- You should be good to go now!



Test if SpinW is working correctly

- Many tutorials can be found here in the folder:

  …\spinw\spinw-*[version]*\tutorials\publish

- Try opening ‘tutorial1.m’ and running it

Test if SpinW is working correctly

- For Tutorial 1, three figure windows should appear, and the command window should contain the following information

- Try some other tutorials!