

# MATLAB PATH

## startup.m

When MATLAB starts, it will look for a **pathdef.m** file in its startup directory. It should not be edited - leave the default MATLAB path containing only MATLAB native toolboxes. The rest should be configured dynamically, as explained below.

If a custom **startup.m** is found on the path, it will be executed:

<https://www.mathworks.com/help/matlab/ref/startup.html>

There are two ways to configure place the startup.m on the path:

1. Custom startup folder set via MATLAB icon: (right click on the MATLAB icon | Properties | Start in ) (e.g. F:\Dropbox\Sources\Repos\matlab\_config\MATLAB2014) allows controlling different paths and other settings via **startup.m** file placed in this folder.
2. Place custom startup.m to your [userpath](#) (type 'userpath' in the MATLAB command window to figure out yours).

For example, a minimal **startup.m** for automatically including all GitHub repositories (but excluding not needed internal .git folders) can be just:

```
addpath(genpath_exclude('YOUR_PATH_TO_REPOS', '.git'));
```

**Note:** [genpath\\_exclude.m](#) should also be placed in the startup folder.

Example startup.m for repos and Fieldtrip and NeuroElf from DAG server (Y:):

```
disp('Welcome to YOUR MATLAB VERSION, e.g. MATLAB2014a');
addpath(genpath_exclude('YOUR_PATH_TO_REPOS', '.git'));

addpath('Y:\Sources\fieldtrip-20200604'); % or other path to fieldtrip
ft_defaults

%
http://www.fieldtriptoolbox.org/faq/can_i_prevent_external_toolboxes_from_being_added_to_my_matlab_path/
[ftver, ftpath] = ft_version;
rmpath(fullfile(ftpah, 'external', 'signal'))
rmpath(fullfile(ftpah, 'external', 'stats'))
rmpath(fullfile(ftpah, 'external', 'images'))

addpath('Y:\Sources\NeuroElf_v11_7521');
addpath('Y:\Sources\NeuroElf_v11_7521\add_dag_ne_pipeline');

dbstop if error
```

See also [https://github.com/igorkagan/matlab\\_config](https://github.com/igorkagan/matlab_config) for the following example that includes `genpath_exclude.m`:

```
disp('Welcome to MATLAB2014');  
set_sources_path;  
edit;  
EditorMacro('Alt-Control-h', @ig_createHeaderComment_dag);  
dbstop if error
```

The function **set\_sources\_path.m** can be something like the one below, to add all repositories but exclude not needed internal `.git` folders:

```
addpath(genpath_exclude('F:\Dropbox\Sources\Repos', '.git'));
```

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