The astronomy & astrophysics toolbox for MATLAB - Installation

Credit

If you are using this code or products in your scientific publication please give a reference to Ofek (2014; ascl.soft 07005).

License

Unless specified otherwise this code and products are released under the GNU general public license version 3.

Versions

In 2017 we introduced large number of changes to the *MATALB Astronomy & Astrophysics Toolbox* (MAAT).

The main changes are the use of packages and sub packages structure that force name spaces, introduction of several new classes and extensive modification of the `SIM` class (structured images class). The old version (last stable version from mid 2016) is avialble only in a tar file (see below).

How to install?

There are three methods to install the toolbox:

1. Download tar files
2. Linux command line script
3. MATLAB script
4. GIT
5. Install old version from tar files

Installing by downloading tar files

The simplest method for installing the toolbox is:

1. Create a directory for the toolbox (e.g., 'matlab').
2. cd to the directory in which you want to install the toolbox (e.g., 'cd matlab').
3. Download Fun.tar.gz
4. Download the data/+cats directory
5. Optionaly, download...
6. gzip -d *.tar.gz
7. tar -xvf Fun.tar
8. tar -xvf data_cats.tar
9. ...
10. Download the startup.m file, or alternatively add to your startup.m or path: 'USER_DIR/fun/' and 'USER_DIR/data' any any additional directories you added. Here "User_DIR" is the user directory (e.g., '/home/eran/matlab/').

Installing by running an installation file from the command line (Linux only)

Linux users can download the install_maat.csh file, edit it according to your specific needs, and execute it from the command line (e.g., './install_maat.csh').

Instealling using a MATLAB script

Download the install_maat.m function and run it from the matlab prompt.

This function follows the steps in method number 1.

Installing using GIT

TBD

Installing the old version

The old version of MAAT (the last version before the introduction of packages) is available by downloading the followng tar files listed in old_tar_files.csh (not recomended and not supported):