MATLAB booklet

**Max-Planck-Institut
für Marine Mikrobiologie**

MATLAB is a proprietary multi-paradigm programming language and numeric computing environment.

- MATLAB allows matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interfaces and interfacing with programs written in other languages
- it combines a desktop environment tuned for iterative analysis and design processes with a programming language that expresses matrix and array mathematics directly
- Built-in graphics make it easy to visualize and gain insights from data
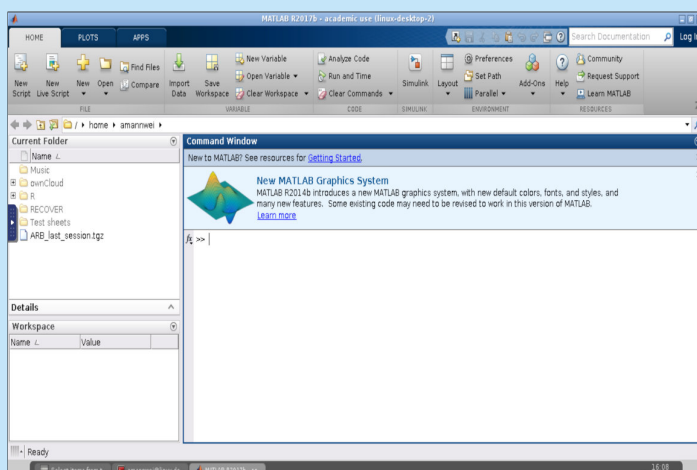- You can run your analyses on larger data sets, and scale up to clusters and clouds

How to access MATLAB over ThinLinc

- Enter to your **ThinLinc** application with you MPI login and enter the Linux Desktop through clicking on **Linux Console Debian9** and choosing a server.
- Enter the command **matlab** to the bash and select the MATLAB version you would like to work with, by entering the **associated number.**
- MATLAB will open automatically afterwards in a new window

First steps

- After MATLAB appears in a new window, you can type in your input into the Command Window and under Current Folder you are able to manage the programs and files you are working with
- APPS includes different applications and packages, that you can use for your analysis. Its also possible to install additional ones.•