

INSTALLATION INSTRUCTIONS FOR MacOS

DAISY needs REDUCE to be installed on your computer to work: below we provide you the instructions to install it.

REDUCE is a system for doing scalar, vector and matrix algebra by computer, implemented in Lisp. There are two versions available: in the simplest terms, the PSL version provides a command line interface, while the CSL version provides a graphical interface.

Fast loading library of precompiled DAISY is available for PSL REDUCE.

The version CSL for MacOS is less straightforward because it requires installation of X11 (XQuartz).

Instructions for installing REDUCE

To download a specific version (snapshot) of REDUCE for your operating system:

- 1 - Visit the repository of REDUCE (<http://reduce-algebra.com/>).
- 2 - Click on the button "Download REDUCE from SOURCEFORGE", located at the bottom of the left-side menu.
- 3 - In the next page select the "Files" tab (just below the large green button).
- 4 - Click on the folder corresponding to the snapshot: "snapshot_2019-01-20".

Make sure you select the one specified, as older or newer versions won't be compatible with the distributed fast loading library of DAISY that has been compiled with the indicated version.

5 - Select your operating system from the ones available (macintosh in this case).

6 - Select the file "Reduce-snapshot_4865.dmg" to proceed with the download.

7 - Open (double click) the downloaded .dmg file and copy its content inside a folder `"../Reduce"`.

Make sure not to copy/paste the virtual disk's icon but only its contents (otherwise only a link to the virtual disk will be generated).

Instructions for installing DAISY

1 - Click on the button "Download" located in the upper menu of the DAISY page to register and download DAISY (for MACOS)

2 - Extract and save the directory `"../daisy_mac_v2.0"`

For PSL REDUCE:

3 - Copy the provided file `"../daisy_mac_v2.0/PSL/daisy.b"` to `"../Reduce/psl/psl/"`

4 - Run REDUCE PSL by opening the Terminal and entering the command:
`"../Reduce/psl/redpsl"`

5 - Write the instruction: `load daisy$`

Information Contact

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