Nion Swift Documentation

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Nion Swift is open source scientific image processing software integrating hardware control, data acquisition, visualization, processing, and analysis using Python. Nion Swift is easily extended using Python. It runs on Windows, Linux, and macOS.

Nion Swift has been primarily developed for the operation of Nion electron microscopes and also as an offline tool to visualize, process, and analyze scientific data from electron microscopes, other instrumentation, and other scientific fields.

Nion Swift is open source. You can find the source code on GitHub Nion Swift.
To install Nion Swift, you will need to install a Python environment and then install Python packages required for Nion Swift.

For specific installation details and download links, follow link below. Instructions to install additional packages to extend Nion Swift are also covered.

- installation
- upgrading
- release-notes
Once you have installed Nion Swift and successfully launched it, you can read the introduction to understand the basic ideas, follow through the basic tutorial to try out key concepts, and consult the user guide for more advanced use, Python scripting, and reference.

- basic-use
- user-guide
Nion Swift offers a great deal of functionality using the user interface. However, sometimes you will want to go beyond its intrinsic capabilities. Fortunately it is easy to extend the functionality using Python.

- scripting
CHAPTER
FOUR

NION SWIFT LINKS

Nion Swift Google Group News and Announcements.
5.1 Links

- genindex
- modindex
- search