

Software recommendation

There's a lot of software that can be used for astrophysics and the laboratory courses. Here we list some recommendations that proved to be useful at some point.

Data reduction

The analysis of data is the main goal in the laboratory courses, some of which are described/linked below.

Image and data visualization

- [DS9](#)
- [QFitsView](#) (has more function than Ds9)

Photometry

- [Fitswork](#)

Spectroscopy

- [IRIS](#)
- [Visual Spec](#)

Image manipulation

GIMP

[gimp](#)

Orientation at the night sky

Stellarium

[Stellarium](#) - Astronomy program that simulates a planetarium

Apps

There are many Apps in the stores, even though most are not very useful for study purposes. A small selection is listed below. (Some might be in German.)

Android

Sky Map

[GooglePlay](#)

SkEye Planetarium

[GooglePlay](#)

Stellarium mobile (needs payment)

[GooglePlay](#)

GFS and WRT summary

[GooglePlay](#)

Astro Panel

[GooglePlay](#)

Apple

P.M. Planetarium (needs payment)

[App Store](#)

SSH clients

For the data reduction a linux work station is provided. For the remote login on this machine from a Windows computer one of the following software options is required :

- [MobaXterm](#)

- [PuTTY](#) (the SSH client) in combination with [Xming](#)(the X window server)
- a virtual machines that run some Linuxversion
- or one of the several other SSH client for Windows

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