

Resources for Spectroscopy with a Star Analyser

Star Analyser

Paton Hawksley (makers of the Star Analyser and accessories)

<http://www.patonhawksley.co.uk/staranalyser.html>

Also available from many online astronomy shops.

Software

RSpec (\$99). Easy for a beginner to use, lots of support, good video tutorials <https://www.rspec-astro.com/>

ISIS (free software). Not so easy for a beginner, but it's free and comprehensive.

http://www.astrosurf.com/buil/isis/isis_en.htm

Guide to using ISIS to process Star Analyser spectra.

http://www.astrosurf.com/buil/isis/guide_sa/tuto_en.htm

VisualSpec (free software). <http://www.astrosurf.com/vdesnoux/>

Forums

RSpec users group, excellent advice available here.

https://groups.yahoo.com/neo/groups/RSpec_Real_Time_Spectroscopy/info

Yahoo amateur spectroscopy group.

https://groups.yahoo.com/neo/groups/amateur_spectroscopy/info

People and organisations with a special interest in amateur spectroscopy

Three Hills Observatory <http://www.threehillsobservatory.co.uk/astro/astro.htm>

Christian Buil's astronomy website. <http://www.astrosurf.com/buil/>

Astronomical Ring for Access to Spectroscopy (ARAS). As well as information about amateur spectroscopy this is a good place to find opportunities for pro-am collaboration and to contribute to scientific research. <http://www.astrosurf.com/aras/>

Books

Grating Spectroscopes and How to Use Them, (The Patrick Moore Practical Astronomy Series), Ken Harrison.

Spectroscopy: The Key to the Stars: Reading the Lines in Stellar Spectra, (The Patrick Moore Practical Astronomy Series), Keith Robinson.

Spectral Atlas for Amateur Astronomers: A Guide to the Spectra of Astronomical Objects and Terrestrial Light Sources, Cambridge University Press, Richard Walker, Publication planned for: June 2017. This excellent spectral atlas was available as a free download, but now the author has found a publisher it is no longer available for download. No price yet, but I expect it won't be cheap!

Databases of Spectra Online

If you just want to know the spectral type use this database.

<http://vizier.u-strasbg.fr/viz-bin/VizieR?-source=B/mk>

This is the British Astronomical Society Spectral Database

<https://britastro.org/specdb/>

The ARAS spectral database

http://www.astrosurf.com/aras/Aras_DataBase/DataBase.htm

This is the BESS site for those interested in Be stars, good for pro-am collaboration.

<http://basebe.obspm.fr/basebe/>

This is the SIMBAD database of objects

<http://simbad.u-strasbg.fr/simbad/>

Finally, if these aren't enough, there is a huge list of other sites here (in English)

<http://pendientedemigracion.ucm.es/info/Astrof/invest/actividad/spectra.html>

Email me for an electronic version of this sheet, or if there is anything else I can help with.
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