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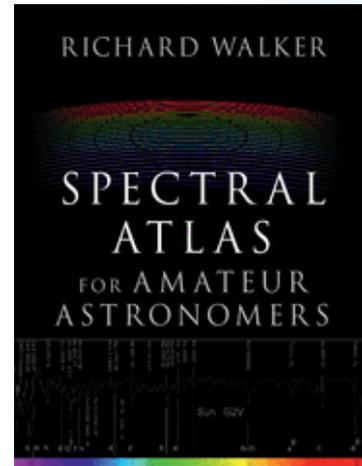
Spectral Atlas for Amateur Astronomers

A Guide to the Spectra of Astronomical Objects and Terrestrial Light Sources

Richard Walker

Featuring detailed commented spectral profiles of more than 100 astronomical objects, in colour, this spectral guide documents most of the important and spectroscopically observable objects accessible using typical amateur equipment. It allows you to read and interpret the recorded spectra of the main stellar classes, as well as most of the steps from protostars through to the final stages of stellar evolution as planetary nebulae, white dwarfs or the different types of supernovae. It also presents integrated spectra of stellar clusters, galaxies and quasars, and the reference spectra of some terrestrial light sources, for calibration purposes. Whether used as the principal reference for comparing with your recorded spectra or for inspiring independent observing projects, this atlas provides a breathtaking view into our Universe's past. The atlas is accompanied and supplemented by *Spectroscopy for Amateur Astronomers*, which explains in detail the methods for recording, processing, analysing and interpreting your spectra.

Preface; Acknowledgements; 1. Directory of plates; 2. Selection, processing and presentation of the spectra; 3. Terms, definitions and abbreviations; 4. Overview and characteristics of stellar spectral classes; 5. Spectral class O; 6. Spectral class B; 7. Spectral class A; 8. Spectral class F; 9. Spectral class G; 10. Spectral class K; 11. Spectral class M; 12. Spectral sequence on the AGB; 13. M(e) stars on the AGB; 14. Spectral class S on the AGB; 15. Carbon stars on the AGB; 16. Post AGB stars and white dwarf; 17. Wolf Rayet stars; 18. LBV stars; 19. Be stars; 20. Be shell stars; 21. PMS protostars; 22. Peculiar CP-stars; 23. Spectroscopic binaries; 24. Novae; 25. Supernovae; 26. Extragalactic objects; 27. Star clusters; 28. Emission nebulae; 29. Reflectance spectra of Solar System bodies; 30. Telluric molecular absorption; 31. The night sky spectrum; 32. The night sky spectrum; 33. Terrestrial- and calibration light sources.



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