



Determination of Atmospheric Parameters of B-, A-, F- and G-Type Stars

By Ewa Niemczura

Springer Aug 2014, 2014. Buch. Book Condition: Neu. 235x155x23 mm. This item is printed on demand - Print on Demand Titel. Neuware - This book introduces the theory of stellar atmospheres. Almost everything we know about stars is by analysis of the radiation coming from their atmospheres. Several aspects of astrophysics require accurate atmospheric parameters and abundances. Spectroscopy is one of the most powerful tools at an astronomer's disposal, allowing the determination of the fundamental parameters of stars: surface temperature, gravity, chemical composition, magnetic field, rotation and turbulence. These can be supplemented by distance measurements or pulsation parameters providing information about stellar interior and stellar evolution, otherwise unavailable. The volume is based on lectures presented at the Wrocław's Spectroscopic School aimed at training young researchers in performing quantitative spectral analysis of low-, mid-, and high-resolution spectra of B, A, and F-type stars. 328 pp. Englisch.



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