

CALIBRATION OF FUNDAMENTAL STELLAR QUANTITIES

D. S. HAYES, L. E. PASINETTI, and
A. G. DAVIS PHILIP (EDS.)

Calibration of Fundamental Stellar Quantities will serve as an important research and reference tool for all those involved in stellar astronomy. The book begins with 19 major review papers which deal with the following subjects: the choice and use of standard stars, data banks, proper motions, high angular resolution measurements, parallaxes, masses, radii, luminosities, temperatures, properties of binary stars, MK spectral classification, rotational velocities, photometry and spectrophotometry, and abundance determinations through model atmospheres and observations.

In addition, the areas of the standard radial velocity system, determination of stellar diameters, calibration of mean luminosity relations and atmospheric models are dealt with.

Serving as a handbook for those interested in the calibration of stellar quantities, the volume features a microfiche included in the back pocket. It lists the names and positions of standards used by astronomers who determine the values of stellar parameters. In subsequent sections of the microfiche, each standard is listed with the standard values in the system under discussion. The best values presently known for parameters such as mass, gravity, temperature, abundances, etc, are also listed.

D. REIDEL PUBLISHING COMPANY
DORDRECHT / BOSTON / LANCASTER / TOKYO

ISBN 90-277-2110-6 IAUS 111