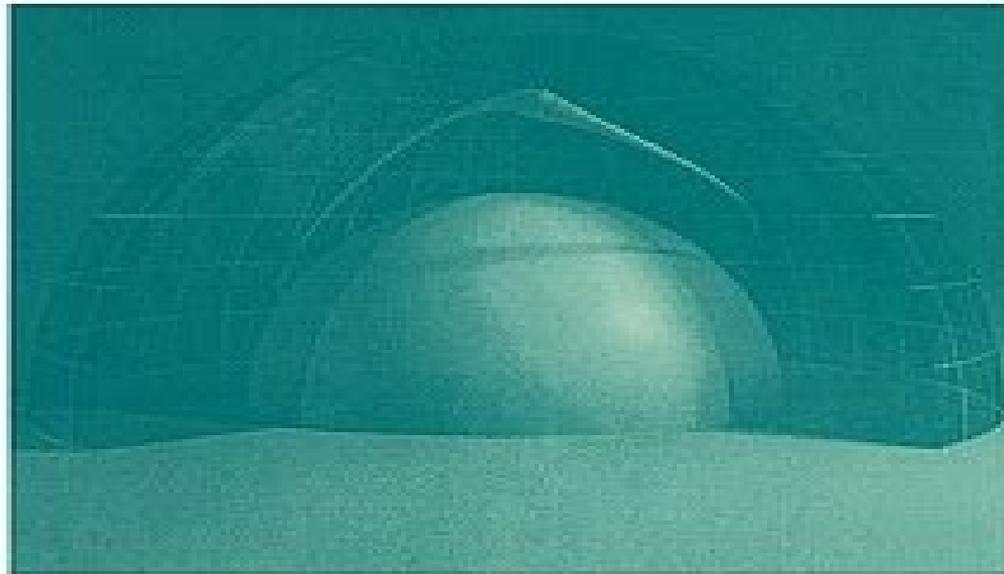


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STELLAR SURFACE STRUCTURE

Edited by KLAUS G. STRASSMEIER and JEFFREY L. LINSKY



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Stellar Surface Structure

Charles Augustus Young



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Instrumentation for Large Telescopes Jose M. Rodriguez Espinosa, A. HERRERO (Ed), Francisco Sánchez, 1997-10-09 A new generation of large ground based telescopes are just coming into operation They will take astronomical research well into the next century These extremely powerful telescopes demand specially designed instruments and observing techniques The VII Canary Islands Winter School of Astrophysics gathered together leading experts from around the world to review this technology Based on the meeting this timely volume presents eight specially written chapters covering all aspects of telescope instrumentation This book provides an essential reference for all astronomers who will be the users of these large telescopes It reviews both the challenges involved in designing successful instrumentation and the questions in astronomy they must address We are taken from the fundamentals of astronomical imaging low and high resolution spectroscopy and polarimetry up to the state of the art technology in adaptive optics and laser guide stars interferometry image pattern recognition and optical near and mid infrared arrays This timely volume provides an excellent introduction for graduate students and an invaluable reference for researchers using the latest generation of large astronomical telescopes

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Principles of Long Baseline Stellar Interferometry Peter R. Lawson,2000 *Stellar Physics* Hong-yea Chiu,1968 [Dynamical Evolution of Star Clusters - Confrontation of Theory and Observations](#) Piet Hut,Junichiro Makino,1996-06-30 This volume reviews recent progress in the study of dynamics of star clusters The meeting focused on the enormous progress of both the observation and the theoretical modeling of star clusters New results from the refurbished Hubble Space Telescope HST include the mass function down to the hydrogen burning limits white dwarf sequence and central density profiles of post collapse clusters by star counts On the theoretical side this symposium saw the first direct evidence of gravothermal oscillation through N body simulation which was made possible by GRAPE 4 the dedicated special purpose computer for N body simulation Numerical techniques to combine stellar evolution and dynamical evolution of the cluster were presented The book will be of primary interest to astrophysicists

An Outline of Stellar Astronomy Peter Doig,1927 [Cool Stars, Stellar Systems, and the Sun](#) Robert A. Donahue,Jay Aaron Bookbinder,1998 A book CD ROM proceedings of a July 1997 workshop Major themes discussed include very low mass stars and planets activity cycles across the HR diagram helio asteroseismology high resolution imaging of stars and their environments and AXAF and XMM in the study of stellar coronae

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