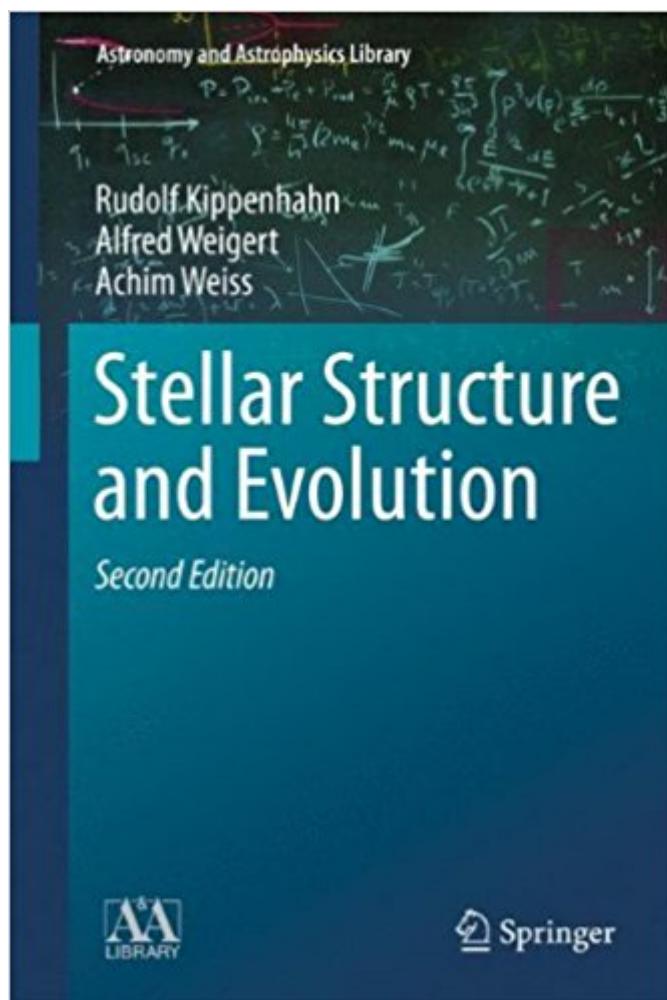


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Stellar Structure And Evolution (Astronomy And Astrophysics Library)



Synopsis

This long-awaited second edition of the classical textbook on Stellar Structure and Evolution by Kippenhahn and Weigert is a thoroughly revised version of the original text. Taking into account modern observational constraints as well as additional physical effects such as mass loss and diffusion, Achim Weiss and Rudolf Kippenhahn have succeeded in bringing the book up to the state-of-the-art with respect to both the presentation of stellar physics and the presentation and interpretation of current sophisticated stellar models. The well-received and proven pedagogical approach of the first edition has been retained. The book provides a comprehensive treatment of the physics of the stellar interior and the underlying fundamental processes and parameters. The models developed to explain the stability, dynamics and evolution of the stars are presented and great care is taken to detail the various stages in a star's life. Just as the first edition, which remained a standard work for more than 20 years after its first publication, the second edition will be of lasting value not only for students but also for active researchers in astronomy and astrophysics.

Book Information

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Customer Reviews

This edition is, in many ways superior to the first edition. However, the first, with its attention to computer modelling, helped to guide students through the tangle of the modelling process. It is also quite gratifying to see that the current version is far removed from any 'cookbook-like' features. It should prove to be an invaluable tool to several generations of students.

Wonderful book to understand about Stellar Evolution.

Heavy...highly detailed with great depth of illumination.

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