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**Physics : Astrophysics and Astroparticles**

Beech, Martin, The University of Regina, Regina, SK, Canada

# Introducing the Stars

**Formation, Structure and Evolution**

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- Includes step-by-step instructions and related exercises
- Specifically designed for any undergraduate science major interested in stellar structure and astrophysics

This textbook introduces the reader to the basic concepts and equations that describe stellar structure. Various approximation techniques are used to solve equations, and an intuitive rather than rigorous approach is employed to interpret the properties of the stars. The book provides step-by-step instructions, helpful exercises and relevant historical lessons to familiarize students with key concepts and mathematical theories. Based upon a series of one-semester (12 weeks) elective undergraduate courses offered at the University of Regina, this book is intended for students who are interested in seeing how basic calculus and introductory physics can be applied to the understanding of the stars from their formation to their death. The text provides an intermediate stepping stone between lower-level undergraduate classes and more specialized postgraduate texts on the subject of stellar structure.

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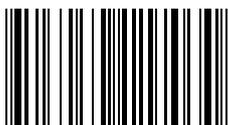
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