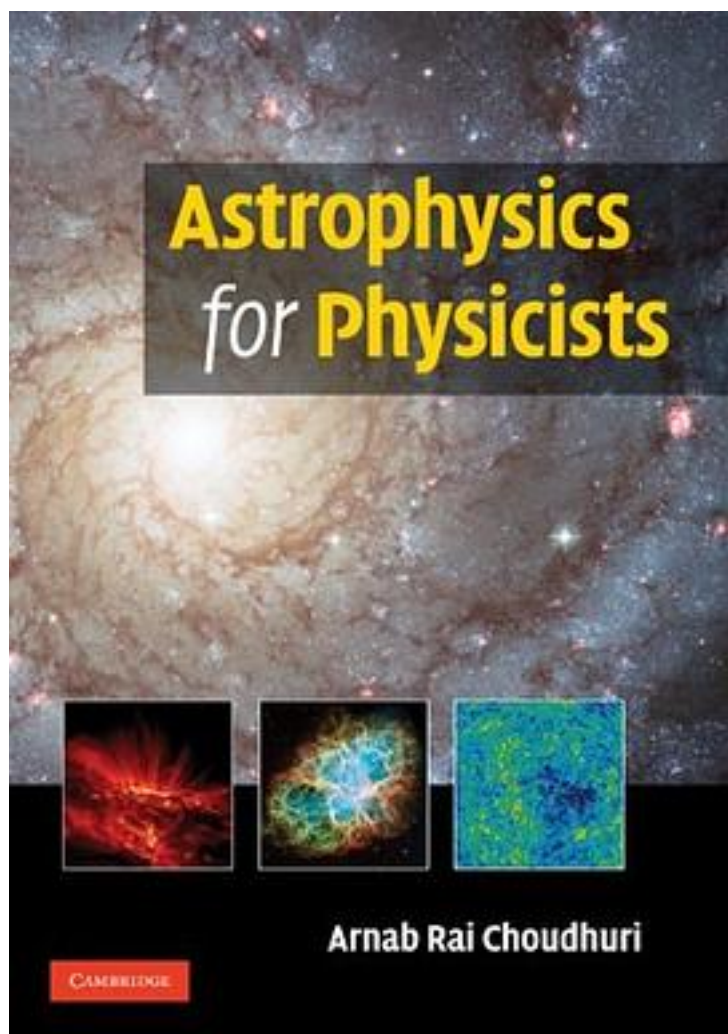


# Astrophysics for Physicists



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Designed for teaching astrophysics to physics students at advanced undergraduate or

beginning graduate level, this textbook also provides an overview of astrophysics for astrophysics graduate students, before they delve into more specialized volumes. Assuming background knowledge at the level of a physics major, the textbook develops astrophysics from the basics without requiring any previous study in astronomy or astrophysics. Physical concepts, mathematical derivations and observational data are combined in a balanced way to provide a unified treatment. Topics such as general relativity and plasma physics, which are not usually covered in physics courses but used extensively in astrophysics, are developed from first principles. While the emphasis is on developing the fundamentals thoroughly, recent important discoveries are highlighted at every stage.

作者介绍:

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标签

天体物理

评论

入门书目。不要求任何天体物理基础或广义相对论基础。简单的电磁学和统计物理基础即可。基于RTE(radiation transfer equation)的 stellar structure部分勉强算80分清楚，但stellar evolution部分个人认为低于60分不值得一读，推荐Prialnik。

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