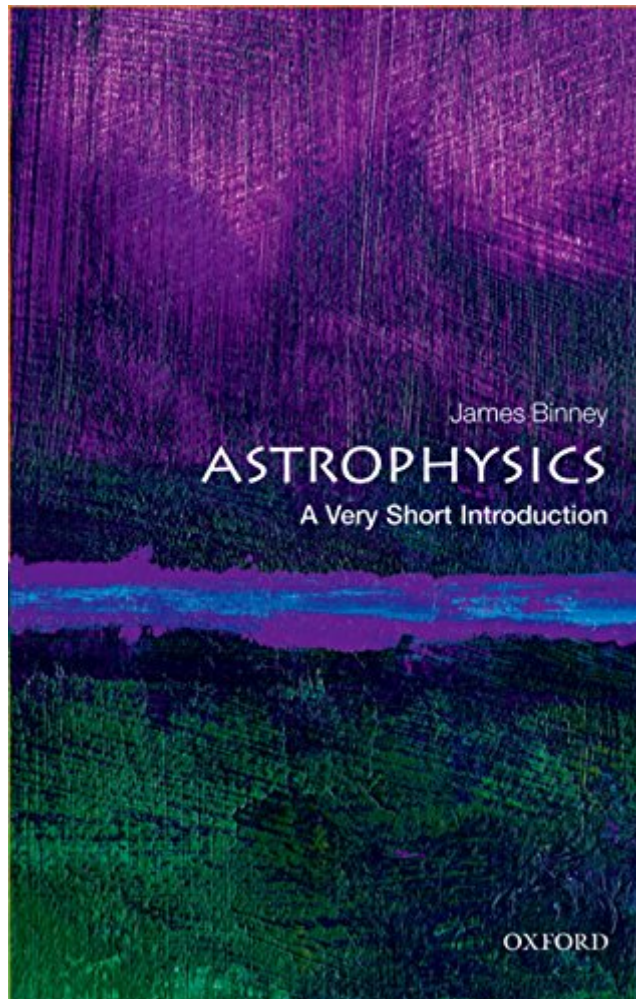


The book was found

# Astrophysics: A Very Short Introduction (Very Short Introductions)



## Synopsis

Astrophysics is the physics of the stars, and more widely the physics of the Universe. It enables us to understand the structure and evolution of planetary systems, stars, galaxies, interstellar gas, and the cosmos as a whole. In this Very Short Introduction, the leading astrophysicist James Binney shows how the field of astrophysics has expanded rapidly in the past century, with vast quantities of data gathered by telescopes exploiting all parts of the electromagnetic spectrum, combined with the rapid advance of computing power, which has allowed increasingly effective mathematical modelling. He illustrates how the application of fundamental principles of physics - the consideration of energy and mass, and momentum - and the two pillars of relativity and quantum mechanics, has provided insights into phenomena ranging from rapidly spinning millisecond pulsars to the collision of giant spiral galaxies. This is a clear, rigorous introduction to astrophysics for those keen to cut their teeth on a conceptual treatment involving some mathematics.

**ABOUT THE SERIES:** The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable

## Book Information

File Size: 3192 KB

Print Length: 176 pages

Page Numbers Source ISBN: 0198752857

Publisher: OUP Oxford; 1 edition (March 24, 2016)

Publication Date: March 24, 2016

Sold by: Â Digital Services LLC

Language: English

ASIN: B01BLYGOSA

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #76,589 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #33 in Â Kindle Store > Kindle eBooks > Nonfiction > Science > Astronomy & Space Science > Astrophysics &

Space Science #141 inÂ Books > Science & Math > Astronomy & Space Science > Astrophysics & Space Science #794 inÂ Books > Science & Math > Physics

## Customer Reviews

There are so many good insights woven across each chapter. It's like a feast of understanding of stars, interstellar medium, and galaxies. Just the right mixture of data and equations that someone looking for more than an introduction to Astronomy will love. Nothing but praise for the author, who clearly explains each topic and how they relate to our current understanding of stellar evolution, galaxies, and the universe. If you are interested in Astronomy, and want more than just introductions, buy this, and read it. The author does a great job of sharing his deep understandings of the topic, so that even a lay person can understand. Well worth the journey!

These books are incredible! My husband and I love all of the Very Short Introduction books. They are so informative with great diagrams and pictures. If you are interested in a subject, THIS is the place to start.

Excellent service and quality.

[Download to continue reading...](#)

Astrophysics: A Very Short Introduction (Very Short Introductions) Particles and Astrophysics: A Multi-Messenger Approach (Astronomy and Astrophysics Library) Computer Science: A Very Short Introduction (Very Short Introductions) Documentary Film: A Very Short Introduction (Very Short Introductions) Human Rights: A Very Short Introduction (Very Short Introductions) Colonial America: A Very Short Introduction (Very Short Introductions) American History: A Very Short Introduction (Very Short Introductions) Law: A Very Short Introduction (Very Short Introductions) The Tudors: A Very Short Introduction (Very Short Introductions) The Vikings: A Very Short Introduction (Very Short Introductions) Philosophy of Law: A Very Short Introduction (Very Short Introductions) The Palestinian-Israeli Conflict: A Very Short Introduction (Very Short Introductions) Ancient Assyria: A Very Short Introduction (Very Short Introductions) The Napoleonic Wars: A Very Short Introduction (Very Short Introductions) History: A Very Short Introduction (Very Short Introductions) American Immigration: A Very Short Introduction (Very Short Introductions) Crime Fiction: A Very Short Introduction (Very Short Introductions) The Beats: A Very Short Introduction (Very Short Introductions) Modernism: A Very Short Introduction (Very Short Introductions) Dada and Surrealism: A Very Short Introduction (Very Short Introductions)

