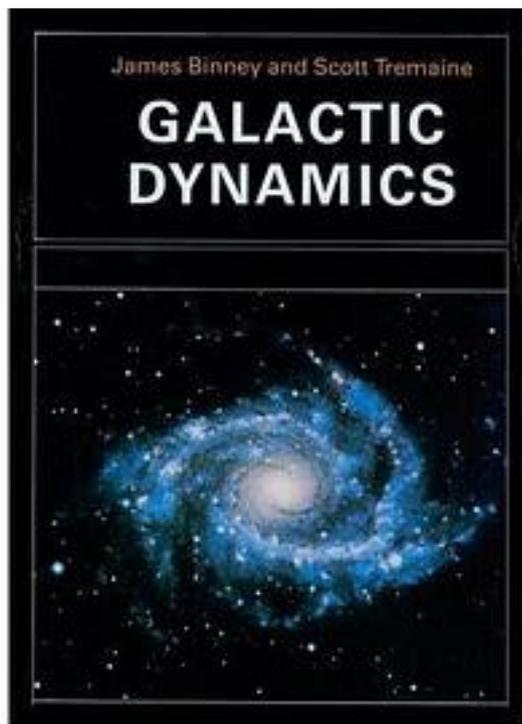


Galactic Dynamics



[Galactic Dynamics_ 下载链接1](#)

著者:James Binney

出版者:Princeton University Press

出版时间:2008-01-07

装帧:Paperback

isbn:9780691130279

Since it was first published in 1987, "Galactic Dynamics" has become the most widely used advanced textbook on the structure and dynamics of galaxies and one of the most cited references in astrophysics. Now, in this extensively revised and updated edition, James Binney and Scott Tremaine describe the dramatic recent advances in this subject, making "Galactic Dynamics" the most authoritative introduction to galactic astrophysics available to advanced undergraduate students, graduate students, and researchers. Every part of the book has been thoroughly overhauled, and

many sections have been completely rewritten. Many new topics are covered, including N-body simulation methods, black holes in stellar systems, linear stability and response theory, and galaxy formation in the cosmological context. Binney and Tremaine, two of the world's leading astrophysicists, use the tools of theoretical physics to describe how galaxies and other stellar systems work, succinctly and lucidly explaining theoretical principles and their applications to observational phenomena. They provide readers with an understanding of stellar dynamics at the level needed to reach the frontiers of the subject. This new edition of the classic text is the definitive introduction to the field. A complete revision and update of one of the most cited references in astrophysics, this book provides a comprehensive description of the dynamical structure and evolution of galaxies and other stellar systems. It serves as both a graduate textbook and a resource for researchers and includes 20 color illustrations, 205 figures, and more than 200 problems. It covers the gravitational N-body problem, hierarchical galaxy formation, galaxy mergers, dark matter, spiral structure, numerical simulations, orbits and chaos, equilibrium and stability of stellar systems, evolution of binary stars and star clusters, and much more. Companion volume to "Galactic Astronomy", the definitive book on the phenomenology of galaxies and star clusters.

作者介绍:

目录:

[Galactic Dynamics 下载链接1](#)

标签

Astrophysics

天文学

物理学

【教材】

Physics

mechanics

Astro

评论

感觉一直在学数学系列…不过数学底子过了以后读起来就还真挺美妙的…

这本书读完基本可以是天文学家了

[Galactic Dynamics 下载链接1](#)

书评

本科的时候觉得我要学习星系动力学，就去书店买了一本星系动力学
有一天我翻开这本书一看，公式好多啊，就默默的合上了
有一天我翻开这本书一看，公式好多啊，就默默的合上了
有一天我翻开这本书一看，公式好多啊，就默默的合上了
有一天我翻开这本书一看，公式好多啊，就...

[Galactic Dynamics 下载链接1](#)