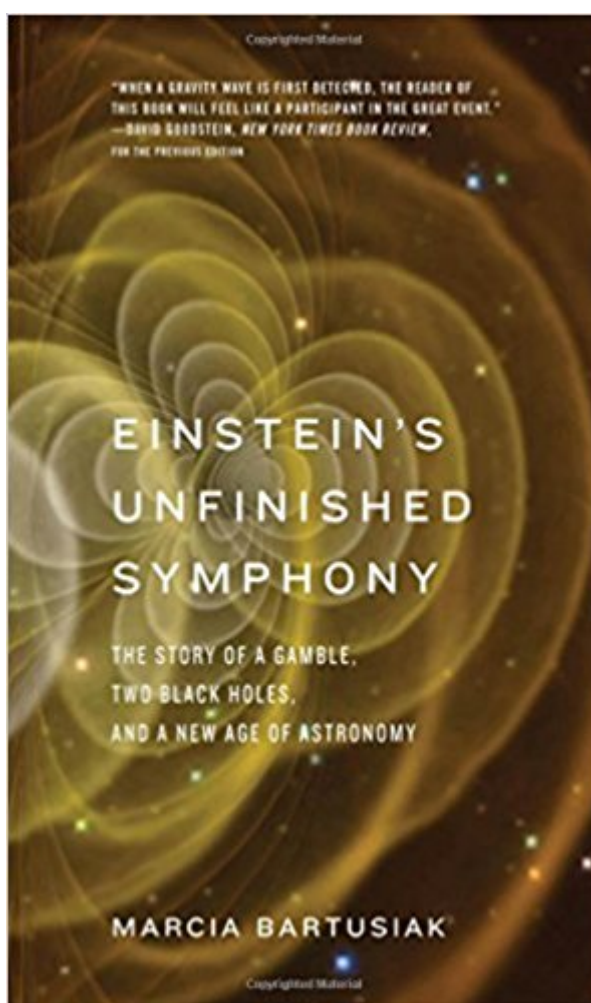


The book was found

Einstein's Unfinished Symphony: The Story Of A Gamble, Two Black Holes, And A New Age Of Astronomy



Synopsis

An updated classic that recounts the long hunt for Einstein's predicted gravitational waves and celebrates their recent discovery. In February 2016, astronomers announced that they had verified the last remaining prediction of Einstein's general theory of relativity—vibrations in space-time, called gravitational waves. Humanity can now tune in to a cosmic orchestra. We have heard the chirp of two black holes dancing toward a violent union. We will hear the cymbal crashes from exploding stars, the periodic drumbeats from swiftly rotating pulsars, and maybe even the echoes from the Big Bang itself. **Á** **Á** Marcia Bartusiak was one of the first to report on the new generation of observatories, showing the motivations of the detectors' creators and the gamble they made to prove Einstein right when all other attempts had failed. She traces the quest of astronomers to build the Laser Interferometer Gravitational-Wave Observatory (LIGO) detectors, the most accurate measuring devices humans have created, and the discovery of gravitational waves, revealing the brilliance, personalities, and luck required to start a new age of astronomy.

Book Information

Paperback: 296 pages

Publisher: Yale University Press; Reprint edition (June 27, 2017)

Language: English

ISBN-10: 0300223390

ISBN-13: 978-0300223392

Product Dimensions: 6.1 x 0.7 x 9.2 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #49,397 in Books (See Top 100 in Books) #11 in **Á** **Á** Books > Science & Math > Physics > Gravity #28 in **Á** **Á** Books > Science & Math > Physics > Relativity #86 in **Á** **Á** Books > Science & Math > Astronomy & Space Science > Astrophysics & Space Science

Customer Reviews

"When a gravity wave is first detected, the reader of this book will feel like a participant in the great event." **Á** **Á** David Goodstein, New York Times Book Review for the previous edition, a Notable Book for 2000 (David Goodstein New York Times Book Review) **Á** **Á** "If aliens came to Earth to measure our level of advancement, we could do no better than to show them LIGO, Earth's first gravitational wave observatory, and to hand them a copy of this book to

explain how we did it." — Adam Riess, Nobel Laureate in Physics, 2011 (Adam Riess) — "Bartusiak provides a fascinating description of how the LIGO Scientific Collaboration first observed the gravitational waves from the merger of two black holes. The observation is the first step in a new field of gravitational wave astronomy, and this book shows readers the evolution of that field from a new idea in 1915 to a measurement in 2015." — Rai Weiss, Massachusetts Institute of Technology (Rainer Weiss) "This book gives a splendid account of a century-long saga that culminated in spectacular confirmation of Einstein's theory. Bartusiak's account is fascinating—and a remarkable case study in how science advances." — Sir Martin Rees, author of Just Six Numbers (Martin Rees)

Marcia Bartusiak is professor of the practice, graduate program in science writing, Massachusetts Institute of Technology, and the award-winning author of six previous books, including most recently *Black Hole: How an Idea Abandoned by Newtonians, Hated by Einstein, and Gambled on by Hawking Became Loved*.

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

Einstein's Unfinished Symphony: The Story of a Gamble, Two Black Holes, and a New Age of Astronomy
Astronomy: Astronomy For Beginners: Discover The Amazing Truth About New Galaxies, Worm Holes, Black Holes And The Latest Discoveries In Astronomy (Astronomy For Beginners, Astronomy 101)
Einstein's Unfinished Symphony: The Story of a Gamble, Two Black Holes, and a New Age of Astronomy
Astronomy: Astronomy for Beginners: Discover the Amazing Truth about New Galaxies, Worm Holes, Black Holes and the Latest Discoveries in Astronomy
A Kid's Guide to Black Holes
Astronomy Books Grade 6 | Astronomy & Space Science
Everything about Black Holes
Astronomy Books Grade 6 | Astronomy & Space Science
Symphony No. 3, Op. 20 & Unfinished Symphony of 1934: New Collected Works of Dmitri Shostakovich - Volume 3
Einstein's Dice and Schrödinger's Cat: How Two Great Minds Battled Quantum Randomness to Create a Unified Theory of Physics
Darwin's Unfinished Symphony: How Culture Made the Human Mind
SYMPHONY NO.3 UNFINISHED A MINOR
Symphony in B Minor ("Unfinished") (Norton Critical Scores)
Statistics, Data Mining, and Machine Learning in Astronomy: A Practical Python Guide for the Analysis of Survey Data (Princeton Series in Modern Observational Astronomy)
The Sun: Its Spots and Flares - Astronomy Book for Beginners | Children's Astronomy Books
The Unfinished Revolution: Coming of Age in a New Era of Gender, Work, and Family
Stars Above, Earth Below: A Guide to Astronomy in the National Parks (Springer Praxis Books / Popular Astronomy)
What Happens During An Eclipse? Astronomy Book Best

Sellers | Children's Astronomy Books What is The Solar System? Astronomy Book for Kids | Children's Astronomy Books Real Astronomy with Small Telescopes: Step-by-Step Activities for Discovery (The Patrick Moore Practical Astronomy Series) Astronomy with Small Telescopes: Up to 5-inch, 125mm (The Patrick Moore Practical Astronomy Series) Learning Astronomy by Doing Astronomy: Collaborative Lecture Activities

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)