



Einstein's Theory of Relativity

By Max Born, Physics

Download now

Read Online 

Einstein's Theory of Relativity By Max Born, Physics

A book in which one great mind explains the work of another great mind in terms comprehensible to the layman is a significant achievement. This is such a book. Max Born is a Nobel Laureate (1955) and one of the world's great physicists: in this book he analyzes and interprets the theory of Einsteinian relativity. The result is undoubtedly the most lucid and insightful of all the books that have been written to explain the revolutionary theory that marked the end of the classical and the beginning of the modern era of physics.

The author follows a quasi-historical method of presentation. The book begins with a review of the classical physics, covering such topics as origins of space and time measurements, geometric axioms, Ptolemaic and Copernican astronomy, concepts of equilibrium and force, laws of motion, inertia, mass, momentum and energy, Newtonian world system (absolute space and absolute time, gravitation, celestial mechanics, centrifugal forces, and absolute space), laws of optics (the corpuscular and undulatory theories, speed of light, wave theory, Doppler effect, convection of light by matter), electrodynamics (including magnetic induction, electromagnetic theory of light, electromagnetic ether, electromagnetic laws of moving bodies, electromagnetic mass, and the contraction hypothesis). Born then takes up his exposition of Einstein's special and general theories of relativity, discussing the concept of simultaneity, kinematics, Einstein's mechanics and dynamics, relativity of arbitrary motions, the principle of equivalence, the geometry of curved surfaces, and the space-time continuum, among other topics. Born then points out some predictions of the theory of relativity and its implications for cosmology, and indicates what is being sought in the unified field theory.

This account steers a middle course between vague popularizations and complex scientific presentations. This is a careful discussion of principles stated in thoroughly acceptable scientific form, yet in a manner that makes it possible for the reader who has no scientific training to understand it. Only high school algebra has been used in explaining the nature of classical physics and relativity, and simple experiments and diagrams are used to illustrate each step. The layman and the beginning student in physics will find this an immensely valuable and usable introduction to relativity. This Dover 1962 edition was greatly revised and enlarged by Dr. Born.

 [Download Einstein's Theory of Relativity ...pdf](#)

 [Read Online Einstein's Theory of Relativity ...pdf](#)

Einstein's Theory of Relativity

By Max Born, Physics

Einstein's Theory of Relativity By Max Born, Physics

A book in which one great mind explains the work of another great mind in terms comprehensible to the layman is a significant achievement. This is such a book. Max Born is a Nobel Laureate (1955) and one of the world's great physicists: in this book he analyzes and interprets the theory of Einsteinian relativity. The result is undoubtedly the most lucid and insightful of all the books that have been written to explain the revolutionary theory that marked the end of the classical and the beginning of the modern era of physics. The author follows a quasi-historical method of presentation. The book begins with a review of the classical physics, covering such topics as origins of space and time measurements, geometric axioms, Ptolemaic and Copernican astronomy, concepts of equilibrium and force, laws of motion, inertia, mass, momentum and energy, Newtonian world system (absolute space and absolute time, gravitation, celestial mechanics, centrifugal forces, and absolute space), laws of optics (the corpuscular and undulatory theories, speed of light, wave theory, Doppler effect, convection of light by matter), electrodynamics (including magnetic induction, electromagnetic theory of light, electromagnetic ether, electromagnetic laws of moving bodies, electromagnetic mass, and the contraction hypothesis). Born then takes up his exposition of Einstein's special and general theories of relativity, discussing the concept of simultaneity, kinematics, Einstein's mechanics and dynamics, relativity of arbitrary motions, the principle of equivalence, the geometry of curved surfaces, and the space-time continuum, among other topics. Born then points out some predictions of the theory of relativity and its implications for cosmology, and indicates what is being sought in the unified field theory. This account steers a middle course between vague popularizations and complex scientific presentations. This is a careful discussion of principles stated in thoroughly acceptable scientific form, yet in a manner that makes it possible for the reader who has no scientific training to understand it. Only high school algebra has been used in explaining the nature of classical physics and relativity, and simple experiments and diagrams are used to illustrate each step. The layman and the beginning student in physics will find this an immensely valuable and usable introduction to relativity. This Dover 1962 edition was greatly revised and enlarged by Dr. Born.

Einstein's Theory of Relativity By Max Born, Physics Bibliography

- Sales Rank: #697170 in Books
- Published on: 1962-06-01
- Released on: 1962-06-01
- Original language: English
- Number of items: 1
- Dimensions: 8.40" h x .90" w x 5.40" l, .77 pounds
- Binding: Paperback
- 400 pages

 [Download Einstein's Theory of Relativity ...pdf](#)

 [Read Online Einstein's Theory of Relativity ...pdf](#)

Editorial Review

About the Author

Born was a physicist. He became a professor of theoretical physics at Göttingen, a lecturer at Cambridge, and professor of natural philosophy at Edinburgh. He won the Nobel Prize in 1954 with Walter Bothe in the field of quantum physics.

Users Review

From reader reviews:

Rene Defeo:

Do you have favorite book? In case you have, what is your favorite's book? Publication is very important thing for us to be aware of everything in the world. Each e-book has different aim or even goal; it means that book has different type. Some people truly feel enjoy to spend their time for you to read a book. They can be reading whatever they consider because their hobby is reading a book. Think about the person who don't like examining a book? Sometime, man or woman feel need book after they found difficult problem or maybe exercise. Well, probably you will want this Einstein's Theory of Relativity.

Patricia Stewart:

Book is to be different per grade. Book for children right up until adult are different content. As you may know that book is very important for people. The book Einstein's Theory of Relativity has been making you to know about other information and of course you can take more information. It is extremely advantages for you. The reserve Einstein's Theory of Relativity is not only giving you considerably more new information but also being your friend when you experience bored. You can spend your current spend time to read your reserve. Try to make relationship together with the book Einstein's Theory of Relativity. You never feel lose out for everything in case you read some books.

Gary Forsyth:

People live in this new day of lifestyle always aim to and must have the extra time or they will get wide range of stress from both everyday life and work. So , once we ask do people have free time, we will say absolutely without a doubt. People is human not just a robot. Then we consult again, what kind of activity are you experiencing when the spare time coming to an individual of course your answer will certainly unlimited right. Then ever try this one, reading ebooks. It can be your alternative with spending your spare time, the book you have read is actually Einstein's Theory of Relativity.

Earl Parker:

Some individuals said that they feel fed up when they reading a e-book. They are directly felt this when they

get a half areas of the book. You can choose the particular book Einstein's Theory of Relativity to make your current reading is interesting. Your current skill of reading ability is developing when you just like reading. Try to choose straightforward book to make you enjoy to study it and mingle the impression about book and looking at especially. It is to be very first opinion for you to like to open a book and study it. Beside that the book Einstein's Theory of Relativity can to be your brand new friend when you're truly feel alone and confuse using what must you're doing of their time.

Download and Read Online Einstein's Theory of Relativity By Max Born, Physics #4WZX0D3TVN6

Read Einstein's Theory of Relativity By Max Born, Physics for online ebook

Einstein's Theory of Relativity By Max Born, Physics Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Einstein's Theory of Relativity By Max Born, Physics books to read online.

Online Einstein's Theory of Relativity By Max Born, Physics ebook PDF download

Einstein's Theory of Relativity By Max Born, Physics Doc

Einstein's Theory of Relativity By Max Born, Physics Mobipocket

Einstein's Theory of Relativity By Max Born, Physics EPub

4WZX0D3TVN6: Einstein's Theory of Relativity By Max Born, Physics