



Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions

By Lisa Randall

Download now

Read Online 

Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall

The universe has many secrets. It may hide additional dimensions of space other than the familiar three we recognize. There might even be another universe adjacent to ours, invisible and unattainable . . . for now.

Warped Passages is a brilliantly readable and altogether exhilarating journey that tracks the arc of discovery from early twentieth-century physics to the razor's edge of modern scientific theory. One of the world's leading theoretical physicists, Lisa Randall provides astonishing scientific possibilities that, until recently, were restricted to the realm of science fiction. Unraveling the twisted threads of the most current debates on relativity, quantum mechanics, and gravity, she explores some of the most fundamental questions posed by Nature—taking us into the warped, hidden dimensions underpinning the universe we live in, demystifying the science of the myriad worlds that may exist just beyond our own.

 [Download Warped Passages: Unraveling the Mysteries of the U ...pdf](#)

 [Read Online Warped Passages: Unraveling the Mysteries of the ...pdf](#)

Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions

By Lisa Randall

Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall

The universe has many secrets. It may hide additional dimensions of space other than the familiar three we recognize. There might even be another universe adjacent to ours, invisible and unattainable . . . for now.

Warped Passages is a brilliantly readable and altogether exhilarating journey that tracks the arc of discovery from early twentieth-century physics to the razor's edge of modern scientific theory. One of the world's leading theoretical physicists, Lisa Randall provides astonishing scientific possibilities that, until recently, were restricted to the realm of science fiction. Unraveling the twisted threads of the most current debates on relativity, quantum mechanics, and gravity, she explores some of the most fundamental questions posed by Nature taking us into the warped, hidden dimensions underpinning the universe we live in, demystifying the science of the myriad worlds that may exist just beyond our own.

Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall
Bibliography

- Sales Rank: #1818 in eBooks
- Published on: 2009-10-21
- Released on: 2009-11-10
- Format: Kindle eBook

 [Download Warped Passages: Unraveling the Mysteries of the U ...pdf](#)

 [Read Online Warped Passages: Unraveling the Mysteries of the ...pdf](#)

Download and Read Free Online Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall

Editorial Review

From Publishers Weekly

The concept of additional spatial dimensions is as far from intuitive as any idea can be. Indeed, although Harvard physicist Randall does a very nice job of explaining—often deftly through the use of creative analogies—how our universe may have many unseen dimensions, readers' heads are likely to be swimming by the end of the book. Randall works hard to make her astoundingly complex material understandable, providing a great deal of background for recent advances in string and supersymmetry theory. As coauthor of the two most important scientific papers on this topic, she's ideally suited to popularize the idea. What is absolutely clear is that physicists simply do not yet know if there are extra dimensions a fraction of a millimeter in size, dimensions of infinite size or only the dimensions we see. What's also clear is that the large hadron collider, the world's most powerful tool for studying subatomic particles, is likely to provide information permitting scientists to differentiate among these ideas soon after it begins operation in Switzerland in 2007. Randall brings much of the excitement of her field to life as she describes her quest to understand the structure of the universe. B&w illus.

Copyright © Reed Business Information, a division of Reed Elsevier Inc. All rights reserved.

From [The New Yorker](#)

Randall, a professor of physics at Harvard, offers a tour of current questions in particle physics, string theory, and cosmology, paying particular attention to the thesis that more physical dimensions exist than are usually acknowledged. Writing for a general audience, Randall is patient and kind: she encourages readers to skip around in the text, corrals mathematical equations in an appendix at the back, and starts off each chapter with an allegorical story, in a manner recalling the work of George Gamow. Although the subject itself is intractably difficult to follow, the exuberance of Randall's narration is appealing. She's honest about the limits of the known, and almost revels in the uncertainties that underlie her work—including the possibility that some day it may all be proved wrong.

Copyright © 2006 *The New Yorker*

From [Booklist](#)

A theoretical physicist who specializes in the so-called standard model of particle physics, Randall explains the particles and forces depicted in that model, and where the model fails as a picture of the real subatomic world. (For example, it does not explain gravity's weakness compared with electromagnetism and the weak and strong nuclear forces.) Randall's renown among physicists derives from her proposed solutions to deficiencies in the standard model, which, unlike some of the outre propositions of string theory, can be experimentally tested. That she borrows from string theory the concept of "branes" will be of high interest to science readers, for if vindicated by results from particle accelerators, she will have discovered evidence that extra dimensions are real places that gravity leaks into, an achievement that would seem to be Nobel Prize territory. Randall writes as clearly as possible, but in order to follow her text, readers will need to persevere; those who attentively do can consider themselves inducted into the fifth dimension. *Gilbert Taylor*

Copyright © American Library Association. All rights reserved

Users Review

From reader reviews:

Alexandra Sauer:

Book will be written, printed, or outlined for everything. You can realize everything you want by a publication. Book has a different type. As we know that book is important matter to bring us around the world. Adjacent to that you can your reading expertise was fluently. A publication Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions will make you to be smarter. You can feel a lot more confidence if you can know about every thing. But some of you think which open or reading a book make you bored. It is not make you fun. Why they can be thought like that? Have you searching for best book or suitable book with you?

Kathleen Strickland:

The book Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions can give more knowledge and also the precise product information about everything you want. So just why must we leave a very important thing like a book Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions? A few of you have a different opinion about guide. But one aim that will book can give many facts for us. It is absolutely proper. Right now, try to closer using your book. Knowledge or data that you take for that, you may give for each other; you are able to share all of these. Book Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions has simple shape but you know: it has great and massive function for you. You can look the enormous world by open and read a book. So it is very wonderful.

Na Urquhart:

The e-book with title Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions possesses a lot of information that you can discover it. You can get a lot of advantage after read this book. That book exist new information the information that exist in this guide represented the condition of the world now. That is important to yo7u to find out how the improvement of the world. This book will bring you in new era of the internationalization. You can read the e-book on the smart phone, so you can read it anywhere you want.

Valerie Beauchamp:

Are you kind of active person, only have 10 as well as 15 minute in your morning to upgrading your mind proficiency or thinking skill perhaps analytical thinking? Then you are experiencing problem with the book when compared with can satisfy your short space of time to read it because pretty much everything time you only find e-book that need more time to be study. Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions can be your answer mainly because it can be read by an individual who have those short spare time problems.

**Download and Read Online Warped Passages: Unraveling the
Mysteries of the Universe's Hidden Dimensions By Lisa Randall
#8TQO1PE0KMJ**

Read Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall for online ebook

Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall 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 Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall books to read online.

Online Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall ebook PDF download

Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall Doc

Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall Mobipocket

Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall EPub

8TQO1PE0KMJ: Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions By Lisa Randall