



Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics)

By Thanu Padmanabhan

[Download now](#)

[Read Online](#) 

Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan

This book addresses a fascinating set of questions in theoretical physics which will both entertain and enlighten all students, teachers and researchers and other physics aficionados. These range from Newtonian mechanics to quantum field theory and cover several puzzling issues that do not appear in standard textbooks. Some topics cover conceptual conundrums, the solutions to which lead to surprising insights; some correct popular misconceptions in the textbook discussion of certain topics; others illustrate deep connections between apparently unconnected domains of theoretical physics; and a few provide remarkably simple derivations of results which are not often appreciated. The connoisseur of theoretical physics will enjoy a feast of pleasant surprises skilfully prepared by an internationally acclaimed theoretical physicist. Each topic is introduced with proper background discussion and special effort is taken to make the discussion self-contained, clear and comprehensible to anyone with an undergraduate education in physics.

 [Download Sleeping Beauties in Theoretical Physics: 26 Surpr ...pdf](#)

 [Read Online Sleeping Beauties in Theoretical Physics: 26 Sur ...pdf](#)

Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics)

By Thanu Padmanabhan

Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan

This book addresses a fascinating set of questions in theoretical physics which will both entertain and enlighten all students, teachers and researchers and other physics aficionados. These range from Newtonian mechanics to quantum field theory and cover several puzzling issues that do not appear in standard textbooks. Some topics cover conceptual conundrums, the solutions to which lead to surprising insights; some correct popular misconceptions in the textbook discussion of certain topics; others illustrate deep connections between apparently unconnected domains of theoretical physics; and a few provide remarkably simple derivations of results which are not often appreciated. The connoisseur of theoretical physics will enjoy a feast of pleasant surprises skilfully prepared by an internationally acclaimed theoretical physicist. Each topic is introduced with proper background discussion and special effort is taken to make the discussion self-contained, clear and comprehensible to anyone with an undergraduate education in physics.

Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan Bibliography

- Sales Rank: #737990 in Books
- Published on: 2015-03-18
- Released on: 2015-03-18
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .76" w x 6.10" l, .0 pounds
- Binding: Paperback
- 302 pages

 [Download Sleeping Beauties in Theoretical Physics: 26 Surpr ...pdf](#)

 [Read Online Sleeping Beauties in Theoretical Physics: 26 Sur ...pdf](#)

Download and Read Free Online Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan

Editorial Review

Review

“It would be hard to find someone who would learn nothing from this book. ... I think that most physicists would both benefit from and enjoy working through the arguments ... presented here. ... I recommend it highly.” (Phillip Helbig, *The Observatory*, Vol. 136 (1250), February, 2016)

“In Thanu Padmanabhan’s new book, *Sleeping Beauties in Theoretical Physics: 26 Surprising Insights*, he aims to impart to aspiring theorists some of the important connections and techniques – spanning gravitation, classical mechanics, electromagnetism, and quantum mechanics – that he’s learned over his career. ... All in all, *Sleeping Beauties in Theoretical Physics* is a potentially excellent resource for those looking to add to their mental tool kit and sharpen their theoretical skills.” (Ethan Siegel, *Physics Today*, November, 2015)

“The collection is a highly suitable pedagogic material and should be a must read for anyone who is interested in Physics, either for a career or for pleasure. It should require no more expertise than is available to an advanced undergraduate student of Physics or allied disciplines. I recommend that this is definitely acquired by all college libraries.” (R. Ramachandran, *IAPT Physics Education*, Vol. 31 (2), April-June, 2015)

From the Back Cover

This book addresses a fascinating set of questions in theoretical physics which will both entertain and enlighten all students, teachers and researchers and other physics aficionados. These range from Newtonian mechanics to quantum field theory and cover several puzzling issues that do not appear in standard textbooks. Some topics cover conceptual conundrums, the solutions to which lead to surprising insights; some correct popular misconceptions in the textbook discussion of certain topics; others illustrate deep connections between apparently unconnected domains of theoretical physics; and a few provide remarkably simple derivations of results which are not often appreciated. The connoisseur of theoretical physics will enjoy a feast of pleasant surprises skilfully prepared by an internationally acclaimed theoretical physicist. Each topic is introduced with proper background discussion and special effort is taken to make the discussion self-contained, clear and comprehensible to anyone with an undergraduate education in physics.

About the Author

Professor Padmanabhan, theoretical physicist and cosmologist, is currently a Distinguished Professor at IUCAA, Pune, India. A gifted researcher and teacher, he has published nearly 250 technical papers and authored ten books which have made significant impact. His research has won prizes six times in recent years from the Gravity Research Foundation, USA including the First Award in 2008. He is currently (2011-14) the Chairman of the IUPAP Astrophysics Commission and was the President of the IAU Cosmology Commission (2009-12). He has received numerous national and international awards including Padma Shri, the presidential medal of honor in India.

Users Review

From reader reviews:

Colleen Holden:

Reading a e-book can be one of a lot of pastime that everyone in the world loves. Do you like reading book therefore. There are a lot of reasons why people enjoyed. First reading a e-book will give you a lot of new details. When you read a reserve you will get new information since book is one of several ways to share the information or perhaps their idea. Second, reading through a book will make anyone more imaginative. When you looking at a book especially hype book the author will bring you to imagine the story how the personas do it anything. Third, you are able to share your knowledge to other individuals. When you read this *Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics)*, it is possible to tells your family, friends along with soon about yours reserve. Your knowledge can inspire the others, make them reading a book.

Milton Hill:

People live in this new day time of lifestyle always try and and must have the time or they will get great deal of stress from both day to day life and work. So , once we ask do people have time, we will say absolutely of course. People is human not only a robot. Then we question again, what kind of activity do you possess when the spare time coming to anyone of course your answer may unlimited right. Then do you try this one, reading ebooks. It can be your alternative within spending your spare time, typically the book you have read is actually *Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics)*.

Sonia Cramer:

The book untitled *Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics)* contain a lot of information on it. The writer explains the girl idea with easy approach. The language is very clear to see all the people, so do not really worry, you can easy to read the idea. The book was written by famous author. The author provides you in the new age of literary works. You can easily read this book because you can keep reading your smart phone, or program, so you can read the book with anywhere and anytime. If you want to buy the e-book, you can start their official web-site and order it. Have a nice learn.

Jeffrey Cooks:

In this era which is the greater particular person or who has ability in doing something more are more special than other. Do you want to become certainly one of it? It is just simple method to have that. What you must do is just spending your time not much but quite enough to possess a look at some books. One of many books in the top collection in your reading list is usually *Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics)*. This book and that is qualified as *The Hungry Inclines* can get you closer in becoming precious person. By looking upwards and review this guide you can get many advantages.

Download and Read Online Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan #64DLHYJB1Q0

Read Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan for online ebook

Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan 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 Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan books to read online.

Online Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan ebook PDF download

Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan Doc

Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan MobiPocket

Sleeping Beauties in Theoretical Physics: 26 Surprising Insights (Lecture Notes in Physics) By Thanu Padmanabhan EPub