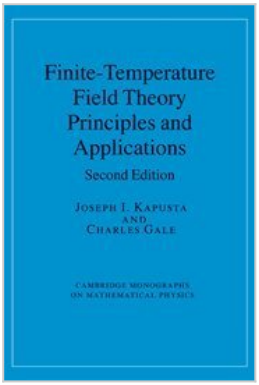


# Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics)

*By Joseph I. Kapusta, Charles Gale*



**Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics)** By Joseph I. Kapusta, Charles Gale

Thoroughly revised and updated, this new edition develops the basic formalism and theoretical techniques for studying relativistic field theory at finite temperature and density. It starts with the path-integral representation of the partition function and then proceeds to develop diagrammatic perturbation techniques. The standard model is discussed, along with the nature of the phase transitions in strongly interacting systems and applications to relativistic heavy ion collisions, dense stellar objects, and the early universe. First Edition Hb (1989): 0-521-35155-3 First Edition Pb (1994): 0-521-44945-6

# Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics)

*By Joseph I. Kapusta, Charles Gale*

**Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics)** By Joseph I. Kapusta, Charles Gale

Thoroughly revised and updated, this new edition develops the basic formalism and theoretical techniques for studying relativistic field theory at finite temperature and density. It starts with the path-integral representation of the partition function and then proceeds to develop diagrammatic perturbation techniques. The standard model is discussed, along with the nature of the phase transitions in strongly interacting systems and applications to relativistic heavy ion collisions, dense stellar objects, and the early universe. First Edition Hb (1989): 0-521-35155-3 First Edition Pb (1994): 0-521-44945-6

**Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) By Joseph I. Kapusta, Charles Gale Bibliography**

- Sales Rank: #6097359 in Books
- Published on: 2006-08-21
- Original language: English
- Number of items: 1
- Dimensions: 9.72" h x .98" w x 6.85" l, 2.16 pounds
- Binding: Hardcover
- 442 pages

## Editorial Review

Review
"...a wonderfully compact book, filled with useful information and important references."
Mathematical Reviews

"Overall, this book contains an excellent beginner's introduction to thermal quantum field theory, which paves the way to more in-depth topics. This book is highly recommendable to anyone entering the field, and very useful to advanced students in general and to researchers in adjacent topics as well."
Axel Maas, Mathematical Reviews

About the Author
Joseph I. Kapusta is Professor of Physics at the School of Physics and Astronomy, University of Minnesota, Minneapolis. Charles Gale is Professor of Physics at the Department of Physics, McGill University, Montreal.

## Users Review

**From reader reviews:**

**Ruben Martin:**

Hey guys, do you desires to finds a new book to read? May be the book with the title Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) suitable to you? Often the book was written by famous writer in this era. Typically the book untitled Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics)is the main of several books this everyone read now. This kind of book was inspired many men and women in the world. When you read this guide you will enter the new age that you ever know prior to. The author explained their idea in the simple way, therefore all of people can easily to be aware of the core of this e-book. This book will give you a large amount of information about this world now. In order to see the represented of the world in this particular book.

**Griselda Gonzalez:**

Exactly why? Because this Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) is an unordinary book that the inside of the guide waiting for you to snap the item but latter it will zap you with the secret this inside. Reading this book adjacent to it was fantastic author who have write the book in such incredible way makes the content inside of easier to understand, entertaining technique but still convey the meaning entirely. So , it is good for you because of not hesitating having this any longer or you going to regret it. This amazing book will give you a lot of advantages than the other book get such as help improving your ability and your critical thinking method. So , still want to hold off having that book? If I have been you I will go to the e-book store hurriedly.

**Santiago Klein:**

The book untitled Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) contain a lot of information on the item. The writer explains your ex idea with easy way. The language is very straightforward all the people, so do definitely not worry, you can easy to read this. The book was published by famous author. The author brings you in the new age of literary works. You can actually read this book because you can keep reading your smart phone, or model, so you can read the book within anywhere and anytime. In a situation you wish to purchase the e-book, you can open their official web-site as well as order it. Have a nice study.

**Sarah Acres:**

In this age globalization it is important to someone to receive information. The information will make a professional understand the condition of the world. The fitness of the world makes the information much easier to share. You can find a lot of references to get information example: internet, newspapers, book, and soon. You will observe that now, a lot of publisher that print many kinds of book. Typically the book that recommended for you is Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) this guide consist a lot of the information of the condition of this world now. This specific book was represented how does the world has grown up. The dialect styles that writer value to explain it is easy to understand. The particular writer made some exploration when he makes this book. Honestly, that is why this book ideal all of you.

# Read Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) By Joseph I. Kapusta, Charles Gale for online ebook

Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) By Joseph I. Kapusta, Charles Gale 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 Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) By Joseph I. Kapusta, Charles Gale books to read online.

## Online Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) By Joseph I. Kapusta, Charles Gale ebook PDF download

### Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) By Joseph I. Kapusta, Charles Gale Doc

**Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) By Joseph I. Kapusta, Charles Gale Mobipocket**

**Finite-Temperature Field Theory: Principles and Applications (Cambridge Monographs on Mathematical Physics) By Joseph I. Kapusta, Charles Gale EPub**