



Dielectric Materials and Electrostatics (Iste)

By Olivier Gallot-Lavallée



Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée

An introduction to the physics of electrical insulation, this book presents the physical foundations of this discipline and the resulting applications. It is structured in two parts. The first part presents a mathematical and intuitive approach to dielectrics; various concepts, including polarization, induction, forces and losses are discussed. The second part provides readers with the keys to understanding the physics of solid, liquid and gas insulation. It comprises a phenomenological description of discharges in gas and its resulting applications. Finally, the main electrical properties of liquids and solids are presented, in order to explain the phenomena of electrical degradation, dissipation and breakdown.

Contents

1. Mathematical Examination of Dielectrics
2. Physical Examination of Dielectrics
- Appendix 1. List of Figures
- Appendix 2. List of Symbols
- Appendix 3. List of Useful Values
- Appendix 4. Reminder about Dielectric Spectroscopy
- Appendix 5. Reminder about Transitory Currents

 [Download Dielectric Materials and Electrostatics \(Iste\) ...pdf](#)

 [Read Online Dielectric Materials and Electrostatics \(Iste\) ...pdf](#)

Dielectric Materials and Electrostatics (Iste)

By Olivier Gallot-Lavallée

Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée

An introduction to the physics of electrical insulation, this book presents the physical foundations of this discipline and the resulting applications. It is structured in two parts. The first part presents a mathematical and intuitive approach to dielectrics; various concepts, including polarization, induction, forces and losses are discussed. The second part provides readers with the keys to understanding the physics of solid, liquid and gas insulation. It comprises a phenomenological description of discharges in gas and its resulting applications. Finally, the main electrical properties of liquids and solids are presented, in order to explain the phenomena of electrical degradation, dissipation and breakdown.

Contents

1. Mathematical Examination of Dielectrics
 2. Physical Examination of Dielectrics
- Appendix 1. List of Figures
Appendix 2. List of Symbols
Appendix 3. List of Useful Values
Appendix 4. Reminder about Dielectric Spectroscopy
Appendix 5. Reminder about Transitory Currents

Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée Bibliography

- Sales Rank: #8719854 in Books
- Published on: 2013-07-10
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x .96" w x 6.45" l, .0 pounds
- Binding: Hardcover
- 207 pages

 [Download Dielectric Materials and Electrostatics \(Iste\) ...pdf](#)

 [Read Online Dielectric Materials and Electrostatics \(Iste\) ...pdf](#)

Editorial Review

Users Review

From reader reviews:

Detra Satterwhite:

This Dielectric Materials and Electrostatics (Iste) are usually reliable for you who want to be considered a successful person, why. The main reason of this Dielectric Materials and Electrostatics (Iste) can be on the list of great books you must have is usually giving you more than just simple reading through food but feed you actually with information that perhaps will shock your previous knowledge. This book is usually handy, you can bring it everywhere you go and whenever your conditions throughout the e-book and printed types. Beside that this Dielectric Materials and Electrostatics (Iste) giving you an enormous of experience such as rich vocabulary, giving you trial run of critical thinking that we know it useful in your day activity. So , let's have it and enjoy reading.

Elmer Pereira:

The book Dielectric Materials and Electrostatics (Iste) will bring you to definitely the new experience of reading a book. The author style to elucidate the idea is very unique. Should you try to find new book to learn, this book very acceptable to you. The book Dielectric Materials and Electrostatics (Iste) is much recommended to you to read. You can also get the e-book from official web site, so you can quickly to read the book.

James Sirois:

Your reading sixth sense will not betray you, why because this Dielectric Materials and Electrostatics (Iste) reserve written by well-known writer whose to say well how to make book that could be understand by anyone who also read the book. Written throughout good manner for you, still dripping wet every ideas and writing skill only for eliminate your current hunger then you still skepticism Dielectric Materials and Electrostatics (Iste) as good book not only by the cover but also with the content. This is one book that can break don't ascertain book by its deal with, so do you still needing yet another sixth sense to pick this specific!?! Oh come on your looking at sixth sense already said so why you have to listening to one more sixth sense.

William Vong:

Do you like reading a reserve? Confuse to looking for your preferred book? Or your book seemed to be rare? Why so many question for the book? But any people feel that they enjoy regarding reading. Some people likes studying, not only science book but novel and Dielectric Materials and Electrostatics (Iste) as well as others sources were given knowledge for you. After you know how the truly great a book, you feel would like to read more and more. Science book was created for teacher or students especially. Those books are

helping them to add their knowledge. In some other case, beside science book, any other book likes Dielectric Materials and Electrostatics (Iste) to make your spare time much more colorful. Many types of book like here.

Download and Read Online Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée #QC9XW8SD7OT

Read Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée for online ebook

Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée 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 Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée books to read online.

Online Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée ebook PDF download

Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée Doc

Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée Mobipocket

Dielectric Materials and Electrostatics (Iste) By Olivier Gallot-Lavallée EPub