



The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering

By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr.

Download now

Read Online →

The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr.

Publication of this book completes a project begun with the first volume, *Reactor Physics and Control*.

These books are the product of Project SIFTOR (Safety Information for the Technology of Reactors), a coordinated effort sponsored by the U.S. Atomic Energy Commission to evaluate critically, organize, and generalize the growing body of information concerned with safety problems in reactor design and operation. Many leading authorities have contributed to this project, and their studies range in treatment from normal, day-to-day operation to catastrophic accidents. The history of specific accidents is reviewed, as is that of destructive tests ("intentional accidents"). The results of numerous theoretical and experimental studies of reactor excursions ("run-aways") are synthesized by mathematical models. The problems of containing or confining the energy and radioactive debris that would be released by a serious accident at a reactor installation are considered in detail, as are the safety problems associated with non-nuclear phases of reactor design: mechanical components, chemical reactions, fluid flow, and heat transfer.

Contents: "Materials and Metallurgy," Thomas O. Ziebold; "Fuel Elements," D. Gurinsky and S. Isserow; "Mechanical Design of Components for Reactor Systems," N. J. Palladino; "Fluid Flow," S. Levy; "Heat Transfer," W. Rohsenow and H. Fenech; "Chemical Reactions," L. Baker; "Fission Product Release," G. W. Parker and C. J. Barton; "Fission Product Behavior and Retention in Containment Systems," L. Silverman; "Radioactive Waste Management," W. Rodger and S. McLain; "The Concepts of Reactor Containment," T. J. Thomson; and "Containment and Confinement Structures," T. J. Thomson.

 [Download The Technology of Nuclear Reactor Safety, Vol. 2: ...pdf](#)

 [Read Online The Technology of Nuclear Reactor Safety, Vol. 2 ...pdf](#)

The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering

By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr.

The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr.

Publication of this book completes a project begun with the first volume, *Reactor Physics and Control*.

These books are the product of Project SIFTOR (Safety Information for the Technology of Reactors), a coordinated effort sponsored by the U.S. Atomic Energy Commission to evaluate critically, organize, and generalize the growing body of information concerned with safety problems in reactor design and operation. Many leading authorities have contributed to this project, and their studies range in treatment from normal, day-to-day operation to catastrophic accidents. The history of specific accidents is reviewed, as is that of destructive tests ("intentional accidents"). The results of numerous theoretical and experimental studies of reactor excursions ("run-aways") are synthesized by mathematical models. The problems of containing or confining the energy and radioactive debris that would be released by a serious accident at a reactor installation are considered in detail, as are the safety problems associated with non-nuclear phases of reactor design: mechanical components, chemical reactions, fluid flow, and heat transfer.

Contents: "Materials and Metallurgy," Thomas O. Ziebold; "Fuel Elements," D. Gurinsky and S. Isserow; "Mechanical Design of Components for Reactor Systems," N. J. Palladino; "Fluid Flow," S. Levy; "Heat Transfer," W. Rohsenow and H. Fenech; "Chemical Reactions," L. Baker; "Fission Product Release," G. W. Parker and C. J. Barton; "Fission Product Behavior and Retention in Containment Systems," L. Silverman; "Radioactive Waste Management," W. Rodger and S. McLain; "The Concepts of Reactor Containment," T. J. Thompson; and "Containment and Confinement Structures," T. J. Thompson.

The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr.
Bibliography

- Rank: #4901845 in Books
- Published on: 1973-10-15
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 1.00" w x 7.00" l,
- Binding: Hardcover
- 820 pages

 [Download The Technology of Nuclear Reactor Safety, Vol. 2: ...pdf](#)

 [Read Online The Technology of Nuclear Reactor Safety, Vol. 2 ...pdf](#)

Download and Read Free Online The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr.

Editorial Review

Users Review

From reader reviews:

Ron Lauer:

What do you with regards to book? It is not important to you? Or just adding material if you want something to explain what your own problem? How about your spare time? Or are you busy man? If you don't have spare time to accomplish others business, it is make one feel bored faster. And you have spare time? What did you do? Everyone has many questions above. The doctor has to answer that question simply because just their can do which. It said that about reserve. Book is familiar on every person. Yes, it is correct. Because start from on guardería until university need that The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering to read.

Kurt Chapman:

As people who live in often the modest era should be up-date about what going on or data even knowledge to make them keep up with the era which can be always change and move forward. Some of you maybe will update themselves by examining books. It is a good choice for you but the problems coming to anyone is you don't know what type you should start with. This The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering is our recommendation so you keep up with the world. Why, since this book serves what you want and need in this era.

Joan Hanson:

Spent a free time to be fun activity to perform! A lot of people spent their leisure time with their family, or all their friends. Usually they doing activity like watching television, gonna beach, or picnic from the park. They actually doing ditto every week. Do you feel it? Would you like to something different to fill your own free time/ holiday? Could possibly be reading a book could be option to fill your totally free time/ holiday. The first thing that you will ask may be what kinds of guide that you should read. If you want to attempt look for book, may be the e-book untitled The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering can be great book to read. May be it is usually best activity to you.

Toni Sargent:

You can find this The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering by look at the bookstore or Mall. Just viewing or reviewing it could to be your solve issue if you get difficulties for the knowledge. Kinds of this book are various. Not only by written or printed but in addition can you enjoy this book by e-book. In the modern era just like now, you just looking from your mobile phone and searching what their problem. Right now, choose your own personal ways to get more information about

your reserve. It is most important to arrange you to ultimately make your knowledge are still change. Let's try to choose proper ways for you.

Download and Read Online The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr. #J3D5O49LIHX

Read The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr. for online ebook

The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr. 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 The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr. books to read online.

Online The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr. ebook PDF download

The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr. Doc

The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr. Mobipocket

The Technology of Nuclear Reactor Safety, Vol. 2: Reactor Materials and Engineering By N. J. Palladino, S. Levy, H. Fenech, G. W. Parker, L. Silverman, W. A. Rodger, T. J. Thomson, L. Baker Jr. EPub