



Nanotechnology: Basic Calculations for Engineers and Scientists

Louis Theodore

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A practical workbook that bridges the gap between theory and practice in the nanotechnology field

Because nanosized particles possess unique properties, nanotechnology is rapidly becoming a major interest in engineering and science. Nanotechnology: Basic Calculations for Engineers and Scientists-a logical follow-up to the author's previous text, Nanotechnology: Environmental Implications and Solutions-presents a practical overview of nanotechnology in a unique workbook format.

The author has developed nearly 300 problems that provide a clear understanding of this growing field in four distinct areas of study:

- * Chemistry fundamentals and principles
- * Particle technology
- * Applications
- * Environmental concerns

These problems have been carefully chosen to address the most important basic concepts, issues, and applications within each area, including such topics as patent evaluation, toxicology, particle dynamics, ventilation, risk assessment, and manufacturing. An introduction to quantum mechanics is also included in the Appendix. These stand-alone problems follow an orderly and logical progression designed to develop the reader's technical understanding.

"This is certain to become the pacesetter in the field, a text to benefit both students of all technical disciplines and practicing engineers and researchers."

-Dr. Howard Beim, Professor of Chemistry, U.S. Merchant Marine Academy

"Dr. Theodore has covered most of the important nanotechnology subject matter in this ...work through simple, easy-to-follow problems."

-John McKenna, President and CEO, ETS, Inc.

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Kelli Ross:

A lot of people always spent their particular free time to vacation or maybe go to the outside with them household or their friend. Do you know? Many a lot of people spent that they free time just watching TV, or playing video games all day long. If you wish to try to find a new activity that is look different you can read some sort of book. It is really fun for you. If you enjoy the book that you simply read you can spent the entire day to reading a reserve. The book Nanotechnology: Basic Calculations for Engineers and Scientists it is rather good to read. There are a lot of those who recommended this book. These folks were enjoying reading this book. In the event you did not have enough space to bring this book you can buy the e-book. You can m0ore effortlessly to read this book from your smart phone. The price is not to cover but this book offers high quality.

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