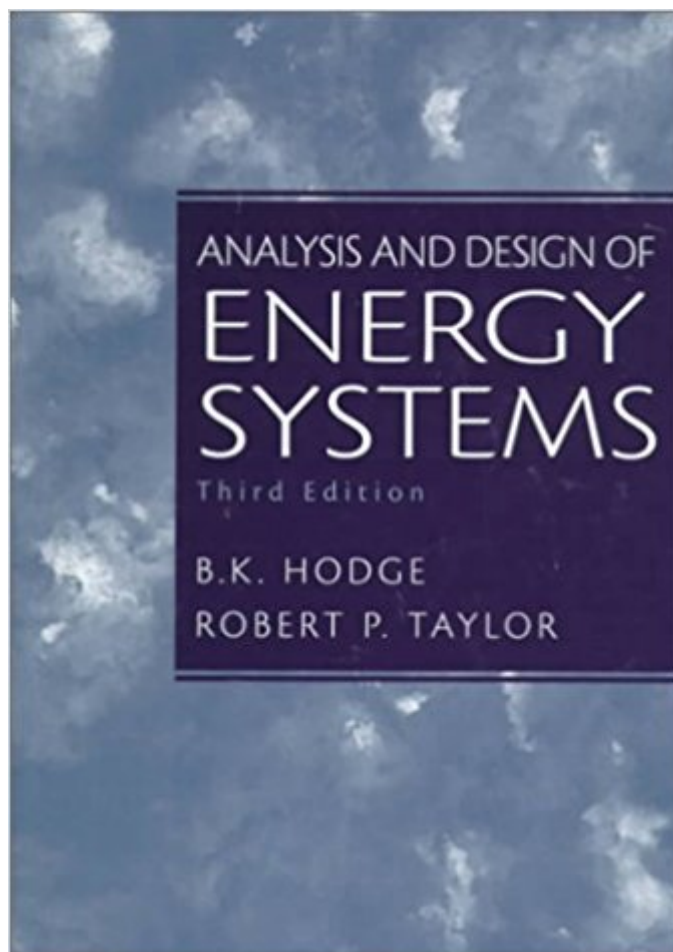


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Analysis And Design Of Energy Systems (3rd Edition)



Synopsis

Analysis and Design of Energy Systems is a readable, self-contained (data, properties), computer based and applications oriented book. It includes a large number of realistic examples and problems, with an emphasis on problem formulation and solution, not programming, and on component details. Topics are developed from the basics; the contents are useful and practical; first-order details are provided; and problem solution tactics and strategies are discussed. This edition includes MathCad as the arithmetic engine, and Math Cad worksheets are included for every procedure in the book. Useful for practicing engineers as a reference book, particularly for reference for piping systems, pumps, and heat exchangers.

Book Information

Paperback: 483 pages

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Average Customer Review: 3.2 out of 5 stars 17 customer reviews

Best Sellers Rank: #218,918 in Books (See Top 100 in Books) #118 in [Books > Science & Math > Physics > Dynamics > Thermodynamics](#) #234 in [Books > Textbooks > Science & Mathematics > Mechanics](#) #244 in [Books > Engineering & Transportation > Engineering > Chemical](#)

Customer Reviews

This volume offers a relationship-oriented approach to the concepts of fluid mechanics, heat transfer, and thermodynamics, and shows how to apply them in designing or analyzing a wide range of energy system components. --This text refers to the Hardcover edition.

Firstly, the content in the book is terribly organized with next to no references. Unless you HAVE to have this book for a class do NOT purchase it. Secondly, the paperback style causes the book to rip and tear after opening it a few times. Received a book that was falling apart upon delivery and didn't bother documenting it because almost everyone's textbook was in the same state of disarray. Used it for only one semester only to have the return rejected because it was "damaged."

A lot of the math is done in Mathcad, which is printed into the book. I found it somewhat confusing when first learning a subject to try to relate the Mathcad work to specific approaches of the analyses. In lieu of that though, the written sections do a fantastic job of explaining things (just not the Mathcad work). I actually had the author of this book as the professor, and I truly enjoyed the subject matter overall.

The book sucks. Stuff is wrong in it, including examples and tables. Hope to god you don't need it for any open book test because it'll confuse you more.

Most of the book problems are solved in Mathcad. Tests on the subject are handwritten and the examples are very limited in assisting comprehension of the solution process. I really don't understand why this book is rated so high.

It meets the expectations for the class! It'll be better if it had a solutions manual! With it.

professor didnt really use it, but it was a great resource to figure things out

I took this class from one of the authors, Dr. Hodge. It is an amazing book that is very indepth on most matters of pumping, piping, heat exchangers, and material selection. It also has a decent thermo and heat transfer review in it. I would say it is a must have reference book for anyone with an engineering background.

I have been very pleased with my purchases from .The Amamallia book was a little smaller than the one I purchased years ago, but my niece loved it.

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