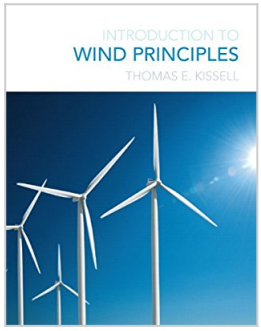

Introduction to Wind Principles

By Thomas E. Kissell

Introduction to Wind Principles By Thomas E. Kissell

The first book on wind energy designed specifically with technicians in mind! *INTRODUCTION TO WIND PRINCIPLES, 1/e* covers all aspects of installing and troubleshooting wind turbines, giving technicians the knowledge they need to handle even complex maintenance tasks. Writing clearly and simply, Thomas Kissell explains how wind turbine blades harvest wind energy, and how generators convert shaft turning energy into electricity. He shows how electrical and hydraulic systems control the speed of wind turbine blades, energizing blade pitch and yaw position controls. Mechanical subjects such as gears, transmissions and gearboxes are discussed in detail. Many pictures and diagrams are included, and all math and data is provided: no calculus or other mathematics is required. Some additional features include:

- **Comprehensive, in-depth coverage—**including wind turbine installation and troubleshooting, towers, blades, generators, control, and much more
- **History, background, trends, and demand projections**—Provides the context needed to understand the growing role of wind energy **Coverage of all parts of vertical and horizontal wind turbines**—including small, medium, and large wind turbines
- **Essential electrical coverage**—including basic electricity theory, magnetism, motors, generators, PLC controls, and the electrical grid
- Extensive discussion of mechanical topics
- **Towers, tower designs, and safety-** walks through the advantages and disadvantages of each type of tower, discusses the principles of safe tower design and construction, and explains nacelle installation
- Integration of wind-generated electricity into the grid

Introduction to Wind Principles

By Thomas E. Kissell

Introduction to Wind Principles By Thomas E. Kissell

The first book on wind energy designed specifically with technicians in mind! *INTRODUCTION TO WIND PRINCIPLES, 1/e* covers all aspects of installing and troubleshooting wind turbines, giving technicians the knowledge they need to handle even complex maintenance tasks. Writing clearly and simply, Thomas Kissell explains how wind turbine blades harvest wind energy, and how generators convert shaft turning energy into electricity. He shows how electrical and hydraulic systems control the speed of wind turbine blades, energizing blade pitch and yaw position controls. Mechanical subjects such as gears, transmissions and gearboxes are discussed in detail. Many pictures and diagrams are included, and all math and data is provided: no calculus or other mathematics is required. Some additional features include:

- **Comprehensive, in-depth coverage—**including wind turbine installation and troubleshooting, towers, blades, generators, control, and much more
- **History, background, trends, and demand projections**—Provides the context needed to understand the growing role of wind energy **Coverage of all parts of vertical and horizontal wind turbines**—including small, medium, and large wind turbines
- **Essential electrical coverage**—including basic electricity theory, magnetism, motors, generators, PLC controls, and the electrical grid
- Extensive discussion of mechanical topics
- **Towers, tower designs, and safety-** walks through the advantages and disadvantages of each type of tower, discusses the principles of safe tower design and construction, and explains nacelle installation
- Integration of wind-generated electricity into the grid

Introduction to Wind Principles By Thomas E. Kissell Bibliography

- Sales Rank: #1070529 in Books
- Published on: 2010-05-27
- Original language: English
- Number of items: 1
- Dimensions: 10.80" h x .80" w x 8.40" l, 1.40 pounds
- Binding: Paperback
- 320 pages

Editorial Review

From the Back Cover
The first book on wind energy designed specifically with technicians in mind! "INTRODUCTION TO WIND PRINCIPLES, 1/e "covers all aspects of installing and troubleshooting wind turbines, giving technicians the knowledge they need to handle even complex maintenance tasks. Writing clearly and simply, Thomas Kissell explains how wind turbine blades harvest wind energy, and how generators convert shaft turning energy into electricity. He shows how electrical and hydraulic systems control the speed of wind turbine blades, energizing blade pitch and yaw position controls. Mechanical subjects such as gears, transmissions and gearboxes are discussed in detail. Many pictures and diagrams are included, and all math and data is provided: no calculus or other mathematics is required. Some additional features include:

- Comprehensive, in-depth coverage-including wind turbine installation and troubleshooting, towers, blades, generators, control, and much more
- History, background, trends, and demand projections-Provides the context needed to understand the growing role of wind energy Coverage of all parts of vertical and horizontal wind turbines-including small, medium, and large wind turbines
- Essential electrical coverage-including basic electricity theory, magnetism, motors, generators, PLC controls, and the electrical grid
- Extensive discussion of mechanical topics
- Towers, tower designs, and safety- walks through the advantages and disadvantages of each type of tower, discusses the principles of safe tower design and construction, and explains nacelle installation
- Integration of wind-generated electricity into the grid

Users Review

From reader reviews:

Keith McLeod:

Have you spare time for a day? What do you do when you have far more or little spare time? Sure, you can choose the suitable activity regarding spend your time. Any person spent their own spare time to take a go walking, shopping, or went to the particular Mall. How about open or read a book eligible Introduction to Wind Principles? Maybe it is being best activity for you. You understand beside you can spend your time with the favorite's book, you can smarter than before. Do you agree with it is opinion or you have different opinion?

Christine Willis:

This Introduction to Wind Principles is brand new way for you who has attention to look for some information because it relief your hunger of knowledge. Getting deeper you upon it getting knowledge more you know otherwise you who still having bit of digest in reading this Introduction to Wind Principles can be the light food for you personally because the information inside this particular book is easy to get by simply anyone. These books acquire itself in the form that is reachable by anyone, that's why I mean in the e-book form. People who think that in book form make them feel drowsy even dizzy this guide is the answer. So

there isn't any in reading a book especially this one. You can find what you are looking for. It should be here for you actually. So , don't miss the idea! Just read this e-book style for your better life and knowledge.

Michael Bradley:

What is your hobby? Have you heard that question when you got learners? We believe that that issue was given by teacher to their students. Many kinds of hobby, Everyone has different hobby. Therefore you know that little person similar to reading or as looking at become their hobby. You need to understand that reading is very important in addition to book as to be the thing. Book is important thing to include you knowledge, except your current teacher or lecturer. You will find good news or update about something by book. Many kinds of books that can you choose to adopt be your object. One of them is Introduction to Wind Principles.

Thomas Baxter:

Reading a publication make you to get more knowledge from it. You can take knowledge and information originating from a book. Book is prepared or printed or outlined from each source which filled update of news. Within this modern era like right now, many ways to get information are available for anyone. From media social such as newspaper, magazines, science reserve, encyclopedia, reference book, book and comic. You can add your knowledge by that book. Are you ready to spend your spare time to spread out your book? Or just seeking the Introduction to Wind Principles when you essential it?

Read Introduction to Wind Principles By Thomas E. Kissell for online ebook

Introduction to Wind Principles By Thomas E. Kissell 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 Introduction to Wind Principles By Thomas E. Kissell books to read online.

Online Introduction to Wind Principles By Thomas E. Kissell ebook PDF download

Introduction to Wind Principles By Thomas E. Kissell Doc

Introduction to Wind Principles By Thomas E. Kissell Mobipocket

Introduction to Wind Principles By Thomas E. Kissell EPub

639GPMXYNCQ: Introduction to Wind Principles By Thomas E. Kissell