

 Get Print Book

Phase-Lock Basics

By William F. Egan



Download



Read Online

Phase-Lock Basics By William F. Egan

A versatile and immensely useful introduction to phase-locked loops. Phase-Lock Basics is a broad-based, hands-on text, designed to be both easy to understand and easy to customize. The text can be used as a theoretical introduction for graduate students or, when used with MATLAB simulation software, the book becomes a virtual laboratory for working professionals who want to improve their understanding of the design process and apply it to the demands of specific situations. The description of second-order phase-locked loops is very thorough, covering all practical variations with formulas, graphs, worked examples, problem sets, and MATLAB simulation exercises, and forming a basis that is extended into an understanding of more complex loops.

Other features include:

Introduction to loop components, stability, responses, and performance in the presence of noise

MATLAB simulation software and other design aids written explicitly to correspond with the text

Access to an Internet site that corresponds with the text so that curves can be downloaded, duplicated, or modified

Scores of multicurve figures that illustrate various loop responses

Summary of acquisition formulas for second-order loops

A four-page table of CW, AM, and FM signals in multiple representations.

Phase-Lock Basics is an important reference for professional analog and digital circuit designers. It also provides a complete and satisfying learning experience for graduate electrical engineering students.

****NB:** Please note the correct number for Wiley technical support for the FTP site is 317-572-3994.

An Instructor Support FTP site is available from the Wiley editorial department.



[Download Phase-Lock Basics ...pdf](#)



[Read Online Phase-Lock Basics ...pdf](#)

Phase-Lock Basics

By William F. Egan

Phase-Lock Basics By William F. Egan

A versatile and immensely useful introduction to phase-locked loops. Phase-Lock Basics is a broad-based, hands-on text, designed to be both easy to understand and easy to customize. The text can be used as a theoretical introduction for graduate students or, when used with MATLAB simulation software, the book becomes a virtual laboratory for working professionals who want to improve their understanding of the design process and apply it to the demands of specific situations. The description of second-order phase-locked loops is very thorough, covering all practical variations with formulas, graphs, worked examples, problem sets, and MATLAB simulation exercises, and forming a basis that is extended into an understanding of more complex loops.

Other features include:

Introduction to loop components, stability, responses, and performance in the presence of noise

MATLAB simulation software and other design aids written explicitly to correspond with the text

Access to an Internet site that corresponds with the text so that curves can be downloaded, duplicated, or modified

Scores of multicurve figures that illustrate various loop responses

Summary of acquisition formulas for second-order loops

A four-page table of CW, AM, and FM signals in multiple representations.


Phase-Lock Basics is an important reference for professional analog and digital circuit designers. It also provides a complete and satisfying learning experience for graduate electrical engineering students.

****NB:** Please note the correct number for Wiley technical support for the FTP site is 317-572-3994.

An Instructor Support FTP site is available from the Wiley editorial department.

Phase-Lock Basics By William F. Egan Bibliography

- Sales Rank: #2334498 in Books
- Published on: 1998-08-04
- Original language: English
- Number of items: 1
- Dimensions: 9.39" h x 1.13" w x 6.32" l, 1.94 pounds
- Binding: Hardcover
- 520 pages

 [Download Phase-Lock Basics ...pdf](#)

 [Read Online Phase-Lock Basics ...pdf](#)

Editorial Review

From the Back Cover

A versatile and immensely useful introduction to phase-locked loops.

Phase-Lock Basics is a broad-based, hands-on text, designed to be both easy to understand and easy to customize. The text can be used as a theoretical introduction for graduate students or, when used with MATLAB simulation software, the book becomes a virtual laboratory for working professionals who want to improve their understanding of the design process and apply it to the demands of specific situations. The description of second-order phase-locked loops is very thorough, covering all practical variations with formulas, graphs, worked examples, problem sets, and MATLAB simulation exercises, and forming a basis that is extended into an understanding of more complex loops.

Other features include:

- Introduction to loop components, stability, responses, and performance in the presence of noise
- MATLAB simulation software and other design aids written explicitly to correspond with the text
- Access to an Internet site that corresponds with the text so that curves can be downloaded, duplicated, or modified
- Scores of multicurve figures that illustrate various loop responses
- Summary of acquisition formulas for second-order loops
- A four-page table of CW, AM, and FM signals in multiple representations.

Phase-Lock Basics is an important reference for professional analog and digital circuit designers. It also provides a complete and satisfying learning experience for graduate electrical engineering students.

****NB:** Please note the correct number for Wiley technical support for the FTP site is 317-572-3994.

About the Author

WILLIAM F. EGAN, PhD, has been a Lecturer in Electrical Engineering at Santa Clara University for 21 years, while working first as a senior technologist at GTE Government Systems and then as Principal Engineer at TRW ESD. He is the author of Frequency Synthesis by Phase Lock (Wiley).

Users Review

From reader reviews:

Larry Parrish:

Book is definitely written, printed, or outlined for everything. You can recognize everything you want by a guide. Book has a different type. As you may know that book is important thing to bring us around the world. Alongside that you can your reading expertise was fluently. A guide Phase-Lock Basics will make you to end up being smarter. You can feel considerably more confidence if you can know about every little thing. But some of you think that open or reading some sort of book make you bored. It is not make you fun. Why they may be thought like that? Have you trying to find best book or ideal book with you?

Johnny Hoffman:

Your reading sixth sense will not betray an individual, why because this Phase-Lock Basics e-book written by well-known writer who really knows well how to make book that can be understand by anyone who else read the book. Written throughout good manner for you, dripping every ideas and creating skill only for eliminate your own hunger then you still uncertainty Phase-Lock Basics as good book not just by the cover but also by the content. This is one publication that can break don't judge book by its protect, so do you still needing one more sixth sense to pick that!? Oh come on your reading sixth sense already alerted you so why you have to listening to another sixth sense.

Joseph Cosgrove:

Do you like reading a publication? Confuse to looking for your favorite book? Or your book ended up being rare? Why so many problem for the book? But any kind of people feel that they enjoy for reading. Some people likes studying, not only science book and also novel and Phase-Lock Basics or others sources were given information for you. After you know how the truly amazing a book, you feel desire to read more and more. Science publication was created for teacher as well as students especially. Those publications are helping them to add their knowledge. In some other case, beside science publication, any other book likes Phase-Lock Basics to make your spare time more colorful. Many types of book like this one.

Tiffany Hernandez:

As a college student exactly feel bored for you to reading. If their teacher questioned them to go to the library as well as to make summary for some e-book, they are complained. Just tiny students that has reading's internal or real their passion. They just do what the professor want, like asked to the library. They go to generally there but nothing reading significantly. Any students feel that reading is not important, boring and can't see colorful pictures on there. Yeah, it is for being complicated. Book is very important in your case. As we know that on this era, many ways to get whatever we would like. Likewise word says, many ways to reach Chinese's country. Therefore , this Phase-Lock Basics can make you feel more interested to read.

**Download and Read Online Phase-Lock Basics By William F. Egan
#7KSEJYP56UC**

Read Phase-Lock Basics By William F. Egan for online ebook

Phase-Lock Basics By William F. Egan 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 Phase-Lock Basics By William F. Egan books to read online.

Online Phase-Lock Basics By William F. Egan ebook PDF download

Phase-Lock Basics By William F. Egan Doc

Phase-Lock Basics By William F. Egan Mobipocket

Phase-Lock Basics By William F. Egan EPub