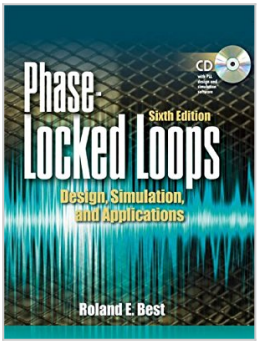

Phase Locked Loops 6/e: Design, Simulation, and Applications

By Roland E. Best

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The Definitive Introduction to Phase-Locked Loops, Complete with Software for Designing Wireless Circuits!

The Sixth Edition of Roland Best's classic *Phase-Locked Loops* has been updated to equip you with today's definitive introduction to PLL design, complete with powerful PLL design and simulation software written by the author.

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- A wealth of easy-to-use methods for designing phase-locked loops
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• Introduction to PLLs • Mixed-Signal PLL Components • Mixed-Signal PLL Analysis • PLL Performance in the Presence of Noise • Design Procedure for Mixed-Signal PLLs • Mixed-Signal PLL Applications • Higher Order Loops • CAD and Simulation of Mixed-Signal PLLs • All-Digital PLLs (ADPLLs) • CAD and Simulation of ADPLLs • The Software PLL (SPLL) • The PLL in Communications • State-of-the-Art Commercial PLL Integrated Circuits • Appendices: The Pull-In Process • The Laplace Transform • Digital Filter Basics • Measuring PLL Parameters

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Editorial Review

From the Back Cover
An update of the definitive guide to PLLs-now with fully interactive PLL design software The Third Edition of this best-selling book/disk package will give you the skills needed to design efficient phase-locked loop (PLL) circuits-including digital PLLs and other recent innovations-for all kinds of electronic devices. It contains a new disk of PLL simulations for Windows, offering greater user interaction and better printing features. Completely revised and updated, the book provides you with clear, concise coverage of the theory, design, and applications of all four types of PLL circuits: the linear PLL... the classical digital PLL... the all-digital PLL... and the software PLL. Throughout the work, the author employs simplified design equations, which present the key parameters of each PLL type in a very compact form. You'll also find detailed case studies illustrating the positive and negative effects of particular designs-plus an entirely new directory of commercially available, state-of-the-art PLL circuits. The unique organization of this improved Third Edition will enable you to perform a PLL design from start to finish-and then use the simulation program to check and optimize performance.

About the Author
Dr. Roland E. Best (Zurich, Switzerland) is the founder of Best Engineering and world-renowned authority of phase locked loops, circuit design, and microprocessor applications. Dr. Best has worked for Sandoz A.G. and the IBM Research Laboratory in Zurich.

Users Review

From reader reviews:

David Bergeron:

Reading a publication tends to be new life style on this era globalization. With reading through you can get a lot of information that will give you benefit in your life. With book everyone in this world can certainly share their idea. Ebooks can also inspire a lot of people. A lot of author can inspire all their reader with their story or their experience. Not only the storyplot that share in the books. But also they write about advantage about something that you need instance. How to get the good score toefl, or how to teach your kids, there are many kinds of book which exist now. The authors nowadays always try to improve their expertise in writing, they also doing some exploration before they write on their book. One of them is this Phase Locked Loops 6/e: Design, Simulation, and Applications.

Jeffery Harman:

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