

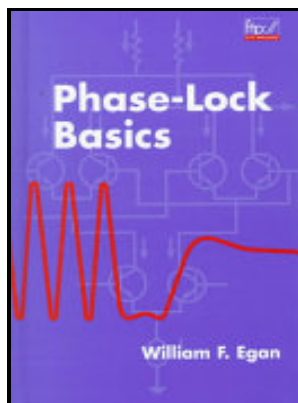
Phase-lock basics

John Wiley - Phase Locked Loops

Description: -

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Civil rights (International law)
 Privacy, Right of -- Canada
 Health Sciences, Medicine and Surgery.
 Biology, Animal Physiology.
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 Faraday, Michael, -- 1791-1867.
 Home economics -- Equipment and supplies.
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 Health Sciences, Nursing.
 English language -- Dictionaries -- Japanese.
 Zoology -- Dictionaries.
 Japanese language -- Dictionaries -- English.
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 Phase-locked loops
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 -Phase-lock basics
 Notes: Includes index.
 This edition was published in 2007



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Tags: #Phase

* Understanding Phase

The impact of TDC resolution on PLL performance can be seen by examining a linearized model of the PLL as shown in Figure 12. The thermometer code bits are added together to form the overall TDC output.

Phase

Like the lock range, it too is centered on the free running frequency. Then the DC output voltage of the comparator will be a function of the phase difference between the two inputs. The loop filter removes the unwanted high-frequency components of the error signals.

Phase Locked Loop (PLL)

Author: Carlos Quemada Publisher: Artech House ISBN: 1596933844 Size: 35. The maximum frequency of the VCO is 500 KHz.

Phase

It consists of a Simulink library called the Xilinx Blockset, and software to Xtreme DSP Development translate a Simulink model into a Kit-II powered by a Virtex-II FPGA chip from Xilinx. It can demodulate FM signals with very high accuracy and reliability, or it can detect signals buried in noise, but it can't do both in a single configuration, because the two tasks require very different setups and assumptions.

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