1. Record Nr. UNINA9910829852303321 Autore Kroupa Venceslav F. <1923-> Titolo Phase lock loops and frequency synthesis [[electronic resource] /] / Venceslav F. Kroupa New York, : J. Wiley, 2003 Pubbl/distr/stampa **ISBN** 1-280-27201-5 9786610272013 0-470-29946-0 0-470-86512-1 0-470-01410-5 Descrizione fisica 1 online resource (336 p.) Disciplina 621.3815/364 621.3815364 621.382 Phase-locked loops Soggetti Frequency synthesizers Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Phase Lock Loops and Frequency Synthesis; Contents; Preface; 1 Basic Equations of the PLLs; 1.1 Introduction; 1.2 Basic Equations of the PLLs;

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Sommario/riassunto

Phase lock loop frequency synthesis finds uses in a myriad of wireless applications - from local oscillators for receivers and transmitters to high performance RF test equipment. As the security and reliability of mobile communication transmissions have gained importance, PLL and frequency synthesisers have become increasingly topical subjects. Phase Lock Loops & Frequency Synthesis examines the various components that make up the phase lock loop design, including oscillators (crystal, voltage controlled), dividers and phase detectors. Interaction amongst the various components are also dis