

Abstracts

An Overview of Frequency Synthesizers for Radars

Z. Galani and R.A. Campbell. "An Overview of Frequency Synthesizers for Radars." 1991 *Transactions on Microwave Theory and Techniques* 39.5 (May 1991 [T-MTT] (Special Issue on Directions in Design and Applications of Microwave Systems)): 782-790.

This paper presents an overview of frequency synthesizer techniques suitable for radar systems. Included are the requirements which have a direct impact on the selection of synthesizer architectures and the choice of synthesizer components. Both direct and indirect architectures are presented, along with advantages, disadvantages, and representative examples. A brief discussion of analytical procedures is followed by a survey of key synthesizer components and future trends.

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