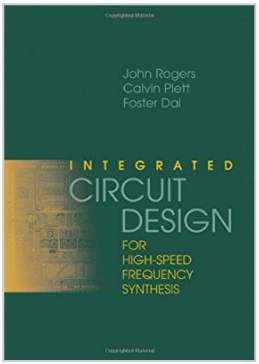

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By John Rogers, Calvin Plett, Foster Dai

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Frequency synthesizers are used in everything from wireless and wireline communications to waveform generation, but until now circuit design expertise in this area has been scattered in numerous trade publications and papers. This one-stop resource gives circuit designers all the straight-from-the-lab techniques, procedures, and applications they need for their work in the field. Following an introduction to system architecture and behavioural analysis, the book provides an extensive treatment of circuit implementation, emphasizing analog synthesizers and direct digital synthesizers and their applications. Worked and simulated examples throughout provide professionals with field-tested analyses, design approaches, and problem-solving strategies.

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