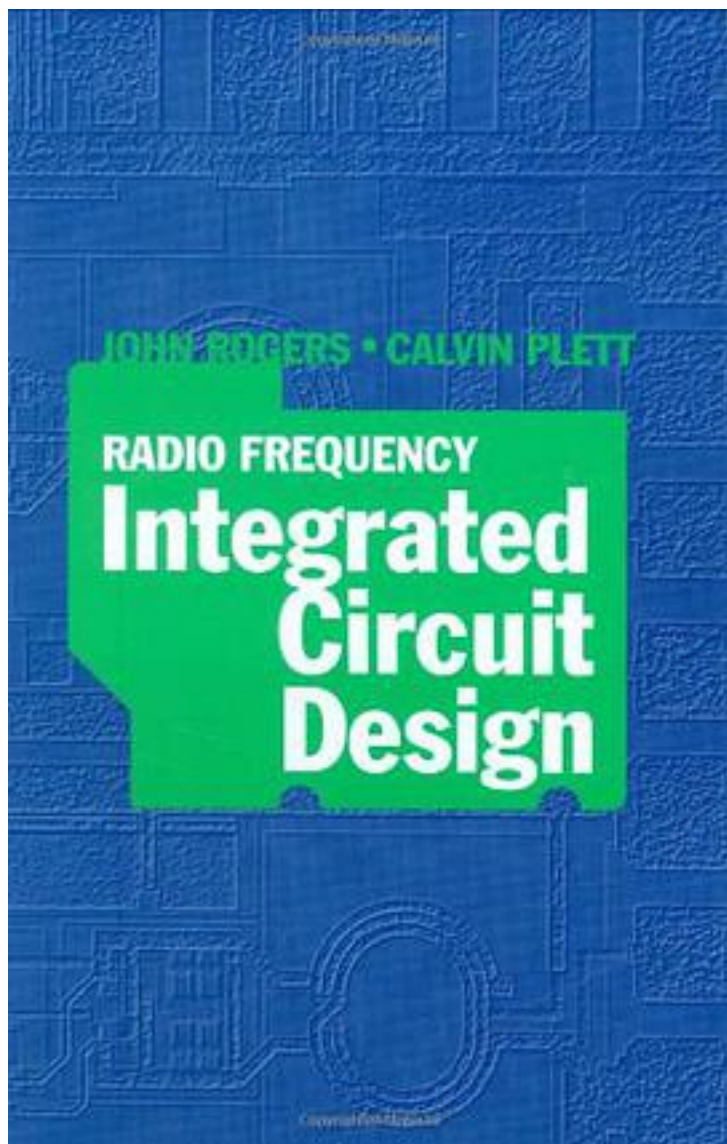


Radio Frequency Integrated Circuit Design



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This reference offers practical explanations of the full range of radio frequency integrated circuits (RFICs). It focuses mainly on bipolar technology to demonstrate circuits, but CMOS is included as well. By emphasizing working designs, it seeks to transport the reader into the authors' own RFIC lab so that you can understand the function of each design detailed in the text. Among the RFIC designs examined are RF integrated LC-based filters, VCO automatic amplitude control loops, and fully-integrated transformer-based circuits, as well as image reject mixers and power amplifiers. If you are new to RFIC design, you should find the introduction to basic theory of interest so that you can quickly come up to speed on how RFICs perform and work together in a communications device. An examination of RFIC technology guides you in knowing when RFICs are the right choice for designing a communications device. This resource features over 400 equations and 500 illustrations that support key topics.

作者介绍:

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