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FOURTH EDITION



Electrical Circuit Theory Technology

J. O. Bird



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Electronic Circuit Theory Henry J. Zimmermann, Samuel J. Mason, 1957

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Fractional-Order Electrical Circuit Theory Bo Zhang,Xujian Shu,2021-08-16 This book presents a concise and insightful view of the knowledge on fractional order electrical circuits which belongs to the subject of Electric Engineering and involves mathematics of fractional calculus It offers an overview of fractional calculus and then describes and analyzes the basic theories and properties of fractional order elements and fractional order electrical circuit composed of fractional order elements Therein the fundamental theorems time domain analysis steady state analysis complex frequency domain analysis and state variable analysis of fractional order electrical circuit are included The fractional order two port networks and generalized fractional order linear electrical circuits are also mentioned Therefore this book provides readers with enough background and understanding to go deeper into the topic of fractional order electrical circuit so that it is useful as a textbook for courses related to fractional order elements fractional order electrical circuits etc This book is intended for students without an extensive mathematical background and is suitable for advanced undergraduate and graduate students engineers and researchers who focus on the fractional order elements electrical circuits and systems Electric Circuit Theory R. Yorke,2013-10-22 Electric Circuit Theory provides a concise coverage of the framework of electrical engineering Comprised of six chapters this book emphasizes the physical process of electrical engineering rather than abstract

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