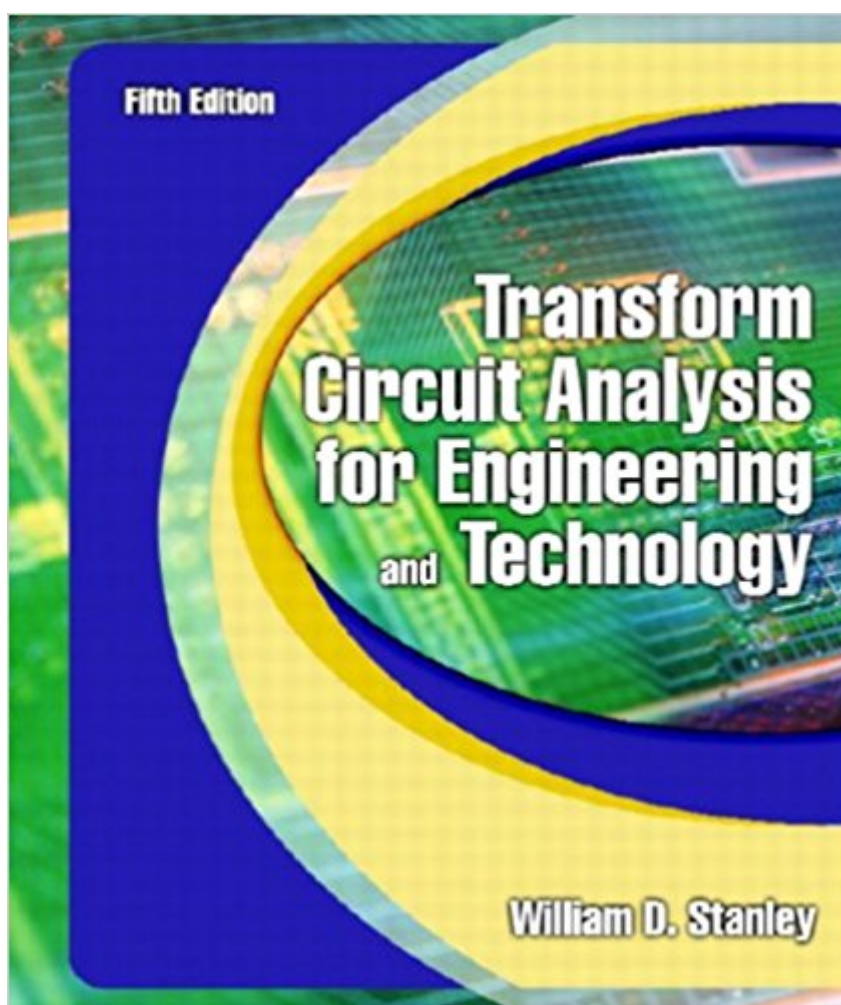


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Transform Circuit Analysis For Engineering And Technology (5th Edition)



Synopsis

This book presents the fundamentals of transient circuit and system analysis with an emphasis on the LaPlace transform and pole-zero approach for analyzing and interpreting problems. Chapter topics cover introductory considerations, waveform analysis, circuit parameters, the basic time-domain circuit, LaPlace transform, circuit analysis by LaPlace transforms, system considerations, the sinusoidal steady state, Fourier analysis, and an introduction to discrete-time systems. For those individuals in engineering technology or applied engineering programs.

Book Information

Paperback: 487 pages

Publisher: Pearson; 5 edition (May 19, 2002)

Language: English

ISBN-10: 0130602590

ISBN-13: 978-0130602596

Product Dimensions: 7.4 x 1.3 x 8.9 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 3.7 out of 5 stars 10 customer reviews

Best Sellers Rank: #266,576 in Books (See Top 100 in Books) #30 in [Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems](#) #31 in [Books > Science & Math > Mathematics > Geometry & Topology > Algebraic Geometry](#) #132 in [Books > Textbooks > Science & Mathematics > Mathematics > Geometry](#)

Customer Reviews

This revision continues to present the fundamentals of transient circuit and system analysis with an emphasis on the Laplace transform and pole-zero approach for analyzing and interpreting problems. --This text refers to an out of print or unavailable edition of this title.

This revised edition is written for an advanced undergraduate circuit analysis course in an applied engineering or an upper-division engineering technology curriculum. This book can also serve as a reference for engineers and technologists. The first four chapters are devoted to time-domain considerations. Chapter 5 through 8 present transform-domain considerations. Chapter 9 deals with Fourier analysis and the concept of spectrum. Both the Fourier series and the Fourier transform are covered. Chapter 10 provides an introduction to discrete-time systems. The Electronics Workbench® (EWB) examples found in the last section of most chapters have been modified

to work with Multisim, the newest version of EWB. The text also contains a number of MATLAB examples. As in the case of Multisim, coverage is optional and is not a prerequisite to other topics within the text. Appendix E provides a brief introduction to MATLAB to familiarize readers with the program. A free Instructor's Manual (ISBN0-13-060250-7) is available to instructors.

Excellent engineering reference on transform circuit analysis! A great desktop reference for the engineering tech. like myself and any electronics engineer or engineering student.

Got this used and it was in great condition. Good book on the topic, easy to read. I don't understand why these books don't give solutions to all the problems...seems to be something all text books have done from the beginning of time. That's silly.

it is the same exact book as the 5th edition except for the multisim example parts, which are few, and its about 130 dollars cheaper!!!!

Answers are wrong in the back of the book. Our professor also mentioned that the book has many mistakes.

Helpful

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