

Brief Contents

Chapter 1			
Introduction	21		
Chapter 2			
Voltage and Current	55		
Chapter 3			
Resistance	89		
Chapter 4			
Ohm's Law, Power, and Energy	127		
Chapter 5			
Series dc Circuits	153		
Chapter 6			
Parallel dc Circuits	207		
Chapter 7			
Series-Parallel Circuits	261		
Chapter 8			
Methods of Analysis and Selected Topics (dc)	305		
Chapter 9			
Network Theorems	367		
Chapter 10			
Capacitors	415		
Chapter 11			
Inductors	475		
Chapter 12			
Magnetic Circuits	519		
Chapter 13			
Sinusoidal Alternating Waveforms	545		
Chapter 14			
The Basic Elements and Phasors	595		
Chapter 15			
Series ac Circuits	641		
Chapter 16			
Parallel ac Circuits	685		
Chapter 17			
Series-Parallel ac Networks	725		
Chapter 18			
Methods of Analysis and Selected Topics (ac)	747		
Chapter 19			
Network Theorems (ac)	787		
Chapter 20			
Power (ac)	831		
Chapter 21			
Resonance	865		
Chapter 22			
Decibels, Filters, and Bode Plots	909		
Chapter 23			
Transformers	973		
Chapter 24			
Polyphase Systems	1015		
Chapter 25			
Pulse Waveforms and the R-C Response	1055		
Chapter 26			
Nonsinusoidal Circuits	1081		
Appendices	1105		
Index	1130		