

Contents

	Preface	<i>page</i> vi
I	Direct current circuits	I
2	Ideal circuit elements	43
3	Alternating current circuits and the use of phasors	68
4	The use of complex numbers in sinusoidal analysis	102
5	Introduction to the theory of transients	125
6	Reduction methods and network theorems	157
7	The frequency characteristics of elementary circuits	199
8	Twoport networks	248
9	The harmonic analysis of alternating quantities	318
10	Techniques of transient analysis	346
11	Fourier transforms	376
12	The complex plane in circuit analysis and synthesis	400
13	Distributed circuits	457
	Appendix 1 Tables of Laplace transforms	517
	Appendix 2 Prefixes denoting decimal multiples or sub-multiples	524
	Solutions of examples	525
	Index	543