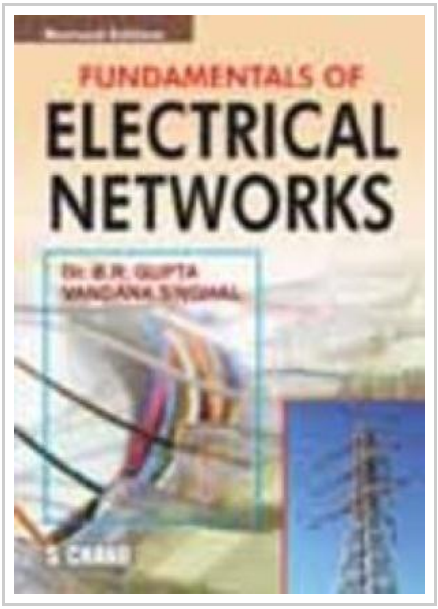

Fundamentals of Electrical Networks

By B.R. Gupta,Vandana Singhal

S. Chand & Company Ltd. 0. Softcover. Book Condition: New. 1. This textbook is designed for a two-semester course in electric circuit analysis and synthesis for B.E./B.Tech. students. 2. It covers network elements, dc and ac network analysis, network transients, magnetic circuits, three-phase circuits, harmonic analysis, state variable analysis, two-port networks, pole-zero analysis, filters, network syntehsis, mechanical analogies and symmetrical components. 3. It is written in a simple and easy to understand language. 4. A lot of solved examples, short questions with answers, self test questions with answers, viva voce questions and review questions have been included at the end of each chapter. Contents: 1. Units and Definitions 2. Parameters of electric Networks 3. DC Network analysis and Network Theorems 4. Magnetic Circuits 5. Self and Mutual Inductance 6. Network Transients 7. Alternating Current and Voltage 8. Series AC Circuits 9. Parallel and Series Parallel Networks 10. Resonance 11. AC Network Theorems 12. State Variable Analysis 13. Non-Sinusoidal Waves 14. Polyphase Networks 15. Two Port Networks 16. Filter Networks 17. Network Functions: Poles and Zeros 18. Network Synthesis 19. Mechanical Analogies 20. Symmetrical Components Appendices Bibliography Index Printed Pages: 656.

Reviews

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