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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Preface; 1. Basic concepts of electric circuits; 2. Basic laws of electric circuits; 3. Series-parallel resistive circuits; 4. Methods of DC circuit analysis; 5. The network theorems; 6. Capacitors and inductors; 7. Transient analysis of circuits; 8. Fundamentals of AC circuits; 9. Methods of AC circuit analysis; 10. RLC circuits and resonance; 11. Mutual inductance and transformers; 12. Circuits with dependent sources; Appendix A: Greek alphabet; Appendix B: Differentiation of the phasor; Bibliography; Index
Sommario/riassunto	Success in the electronics field requires a substantial background in electric circuits. This unique book provides an effective introduction to the fundamentals of dc/ac circuits presenting material in a clear and easy-to-understand way. All important concepts, rules and formulas are highlighted (boxed) after the explanation and are also summarised at the end of each chapter. The laboratory manuals at the end of each chapter are convenient for doing hands-on practice and will help readers to master the circuit theory. This book is an ideal text for university students or for any professionals

