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Titolo	Principles of electric circuits : conventional current version / / Thomas L. Floyd
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ISBN	1-292-03809-8
Edizione	[Pearson new international edition, Ninth edition.]
Descrizione fisica	1 online resource (979 pages) : color illustrations
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Soggetti	Electric circuits
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover -- Table of Contents -- 1. Quantities and Units -- 2. Voltage, Current, and Resistance -- 3. Ohm's Law -- 4. Energy and Power -- 5. Series Circuits -- 6. Parallel Circuits -- 7. Series-Parallel Circuits -- 8. Circuit Theorems and Conversions -- 9. Branch, Loop, and Node Analyses -- 10. Magnetism and Electromagnetism -- 11. Introduction to Alternating Current and Voltage -- 12. Capacitors -- 13. Inductors -- 14. RC Circuits -- 15. RL Circuits -- 16. RLC Circuits and Resonance -- 17. Passive Filters -- 18. Circuit Theorems in AC Analysis -- 19. Time Response of Reactive Circuits -- 20. Three-Phase Systems in Power Applications -- Table of Standard Resistor Values -- Derivations -- Capacitor Label Coding -- NI Multisim for Circuit Simulation -- Glossary.
Sommario/riassunto	For DC/AC Circuits courses requiring a comprehensive, classroom tested text with an emphasis on troubleshooting and the practical application of DC/AC principles and concepts. This text provides an exceptionally clear introduction to DC/AC circuits supported by superior exercises, examples, and illustrations and an emphasis on troubleshooting and applications. Throughout the text's coverage, the use of mathematics is limited to only those concepts that are needed for understanding. Floyd's acclaimed troubleshooting emphasis provides students with the problem solving experience they need to step out of the classroom and into a job!.

