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Co-authored by Charles Gross—one of the most well-known and respected professors in the field of electric machines and power engineering—and his world-renowned colleague Thad Roppel, Fundamentals of Electrical Engineering provides an overview of the profession for engineering professionals and students whose specialization lies in areas other than electrical. For instance, civil engineers must contend with commercial electrical service and lighting design issues.

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Many electrical engineers work in the traditional areas of communications, computation, and control and components required to realize such systems. They are involved in design and product development, testing and quality control, sales and marketing, and manufacturing.

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About the Contributors Author. Don Johnson received the S.B. and S.M. degrees in 1970, the E.E. degree in 1971, and the Ph.D. degree in 1974, all in electrical engineering from the Massachusetts Institute of Technology. He joined M.I.T. Lincoln Laboratory as a staff member in 1974 to work on digital speech systems. In 1977, he joined the faculty of the Electrical and Computer Engineering

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Electronics Basics: Fundamentals of Electricity - dummies

Electrical engineers design, develop, test, and supervise the manufacture of electrical equipment, such as electric motors, radar

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An electric circuit is a closed loop made of conductors and other electrical elements through which electric current can flow. For example, a very simple electrical circuit consists of three elements: a battery, a lamp, and an electrical wire that connects the two.

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Electronics Fundamentals: Circuits, Devices and Applications written to meet exhaustively the requirements of various syllabus in the subject of the courses in B.E /B.Tech/ B.Sc (Engineering) of various Indian Universities. It is Equally suitable for UPSC, AIME and all other competitive examinations in the field of Engineering. " Download Electronics Fundamentals: Circuits, Devices and Applications written by Thomas L. Floyd PDF File".

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Fundamentals of Electrical and Electronics

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