The concept of electricity is both familiar and mysterious. We all know what electricity is, or at least have a rough idea, based on practical experience. In particular, consider these points: Electric current is a very familiar concept: When you turn on a light switch, electric current flows from the switch through the wire to the light, and the room is instantly illuminated. Electric current flows more easily in some types of atoms than in others.

About the Book Author. Doug Lowe still has the electronics experimenter's kit his dad gave him when he was 10. Although he became a programmer and has written books on various programming languages, Microsoft Office, web programming, and PCs, Doug never forgot his first love: electronics. Related Book. Electronics All-in-One For Dummies.

Fundamentals of Electronics Electronics Book Book Book 1: Electronic Devices Devices Devices and and and Circuit Circuit Circuit Applications Applications Applications. Thomas Thomas Thomas F. F. F. Schubert, Schubert, Schubert, Jr. While many readers will find much in this chapter on OpAmps a review, the chapter presents several concepts fundamental to the study of electronic circuitry. Most significant among these concepts are: xvi. PREFACE. Information, articles about the basic electronics and radio concepts, from current to voltage, and resistance to ideas including decibels and other calculations. There are a number of basic concepts that form the foundations of today's electrical, electronics and radio technology. Electrical current, voltage, resistance, capacitance, and inductance are a few of the basic elements of electronics and radio. Apart from current, voltage, resistance, capacitance, and inductance, there are many other interesting elements to electronic technology. While some can become quite complicated, it is nevertheless possible to gain a good understanding of them without delving into the complicated depths of these topics. Our online basic electronics tutorials are The second part of the book deals with the concepts of electronics engineering and provides an in-depth understanding of semiconductors and diodes, transistors, oscillators and amplifiers. Additionally, the book explains the principles of transducers, telecommunication and information technology, digital systems and control systems in separate chapters. Elements of electrical engineering by u.a.bakshi, V.u.bakshi. Basic electrical engineering by dr. D p kothari, prof I J nagrath. Basic concepts of electrical engineering by kuldeep sahay, shivendra pathak. Basic electrical technology by iit kharagpur. Download Link. This book assumes that you know diddly about electronics. From the very first chapter, we introduce you to basic concepts that you need to master in order to follow what we say in later chapters. But if you already have a handle on the basics, you can easily jump to a later chapter and dive right in. Because this book is designed to get you on the road to electronics as quickly as possible, this part has only two chapters, an overall introduction to electronics concepts and safety information. Please read Chapter 2, &eoeKeeping Humans and Gadgets Safe,&e even if you decide to skip the introduction to electronics you find in Chapter 1.