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49 Easy Electronic Projects for the 556 Dual Timer - Delton T. Horn 1991

AUTOMOTIVE

PC Interfacing - Pei An 1998-01-28

The main links with your PC and the outside world are the centronic port, used for connecting the printer, the RS232 port, used for the mouse, and the games port for a joystick. This book explores how these input/output (I/O) ports can be put to use through a range of other interfacing applications. This is especially useful for laptop and palmtop PCs which cannot be fitted with internal I/O cards. A novel approach is taken by this book, combining the hardware through which the ports can be explored, and the software programming needed to carry out a range of experiments. Circuits are provided for simple testing tools, and three experimental boards - which can also be purchased ready-made. A huge range of applications are considered, turning the PC into a flexible core of a variety of systems. External devices considered include opto-isolator drivers, power drivers, LED drivers, relay drivers, special driver ICs, and methods of driving opto-isolated zero-crossing solid state relays, stepper motors, sound generating devices and displays. Ways of gathering information from the outside world are given, as well as connection to digital devices, remote control and digital communication. As well as teaching in this field, Pei An has written numerous articles for magazines such as Electronics World and Electronics Today International. A hands-on guide to exploring your PC's input/output ports Covers the hardware and software aspects of interfacing An exciting project-based approach to an important subject area

Mims Circuit Scrapbook - Forrest Mims 2000-09-30

Here it is--a collection of Forrest Mims's classic work from the original Popular Electronics magazine! Using commonly available components and remarkable ingenuity, Forrest shows you how to build and experiment with circuits like these: analog computers color organs digital phase-locked loops frequency-to-voltage and voltage-to-frequency converters interval timers LED oscilloscopes light wave communicators magnetic field sensors optoelectronics pseudorandom number generators tone sequencers and much, much, more!

Electronics World + Wireless World - 1995

Timer/Generator Circuits Manual - R. M. Marston 2013-10-22

Timer/Generator Circuits Manual is an 11-chapter text that deals mainly with waveform generator techniques and circuits. Each chapter starts with an explanation of the basic principles of its subject followed by a wide range of practical circuit designs. This work presents a total of over 300 practical circuits, diagrams, and tables. Chapter 1 outlines the basic principles and the different types of generator. Chapters 2 to 9 deal with a specific type of waveform generator, including sine, square, triangular, sawtooth, and special waveform generators pulse. These chapters also include pulse generator, time IC generator, and waveform synthesizer circuits. Chapter 10 examines the characteristics of phase-locked loop circuits, while Chapter 11 looks into the miscellaneous applications of the ubiquitous "555" timer type of integrated circuit. The appendix presents a number of useful waveform generator design charts, as an aid to those readers who wish to design or modify generator circuits to their own specifications. This book will prove useful to practical design engineers, technicians, experimenters, and electronics students.

Popular Electronics - 1977

Amplifiers, Waveform Generators, and Other Low-cost IC Projects - Delton T. Horn 1994

Uses a CD4066 integrated circuit in dozens of projects including count down timers, burglar alarm systems and infrared remote-control devices.

Switching Power Converters - Dorin O. Neacsu 2017-12-19

An examination of all of the multidisciplinary aspects of medium- and high-power converter systems, including basic power electronics, digital

control and hardware, sensors, analog preprocessing of signals, protection devices and fault management, and pulse-width-modulation (PWM) algorithms, Switching Power Converters: Medium and High Power, Second Edition discusses the actual use of industrial technology and its related subassemblies and components, covering facets of implementation otherwise overlooked by theoretical textbooks. The updated Second Edition contains many new figures, as well as new and/or improved chapters on: Thermal management and reliability Intelligent power modules AC/DC and DC/AC current source converters Multilevel converters Use of IPM within a "network of switches" concept Power semiconductors Matrix converters Practical aspects in building power converters Providing the latest research and development information, along with numerous examples of successful home appliance, aviation, naval, automotive electronics, industrial motor drive, and grid interface for renewable energy products, this edition highlights advancements in packaging technologies, tackles the advent of hybrid circuits able to incorporate control and power stages within the same package, and examines design for reliability from the system level perspective.

Electronics Now - 1995

Practical Electronics for Inventors, Third Edition - Paul Scherz 2013-01-31

The revised, corrected, and up-to-date reboot of a comprehensive classic! *IC Timer Cookbook* - Walter G. Jung 1983-01-01

Robotics, Mechatronics, and Artificial Intelligence - Newton C. Braga 2001-11-22

Accessible to all readers, including students of secondary school and amateur technology enthusiasts, Robotics, Mechatronics, and Artificial Intelligence simplifies the process of finding basic circuits to perform simple tasks, such as how to control a DC or step motor, and provides instruction on creating moving robotic parts, such as an "eye" or an "ear." Though many companies offer kits for project construction, most experimenters want to design and build their own robots and other creatures specific to their needs and goals. With this new book by Newton Braga, hobbyists and experimenters around the world will be able to decide what skills they want to feature in a project and then choose the right "building blocks" to create the ideal results. In the past few years the technology of robotics, mechatronics, and artificial intelligence has exploded, leaving many people with the desire but not the means to build their own projects. The author's fascination with and expertise in the exciting field of robotics is demonstrated by the range of simple to complex project blocks he provides, which are designed to benefit both novice and experienced robotics enthusiasts. The common components and technology featured in the project blocks are especially beneficial to readers who need practical solutions that can be implemented easily by their own hands, without incorporating expensive, complicated technology. Accessible to technicians and hobbyists with many levels of experience, and written to provide inexpensive and creative fun with robotics Appeals to all sorts of technology enthusiasts, including those involved with electronics, computers, home automation, mechanics, and other areas

A Beginner's Guide to Circuits - Oyvind Nydal Dahl 2018-10-23

A Beginner's Guide to Circuits is the perfect first step for anyone ready to jump into the world of electronics and circuit design. After finishing the book's nine graded projects, readers will understand core electronics concepts which they can use to make their own electrifying creations! First, you'll learn to read circuit diagrams and use a breadboard, which allows you to connect electrical components without using a hot soldering iron! Next, you'll build nine simple projects using just a handful of readily available components, like resistors, transistors, capacitors, and other parts. As you build, you'll learn what each component does,

how it works, and how to combine components to achieve new and interesting effects. By the end of the book, you'll be able to build your own electronic creations. With easy-to-follow directions, anyone can become an inventor with the help of *A Beginner's Guide to Circuits! Build These 9 Simple Circuits!* Steady-Hand Game: Test your nerves using a wire and a buzzer to create an Operation-style game! Touch-Enabled Light: Turn on a light with your finger! Cookie Jar Alarm: Catch cookie thieves red-handed with this contraption. Night-Light: Automatically turn on a light when it gets dark. Blinking LED: This classic circuit blinks an LED. Railroad Crossing Light: Danger! Don't cross the tracks if this circuit's pair of lights is flashing. Party Lights: Throw a party with these charming string lights. Digital Piano: Play a tune with this simple synthesizer and learn how speakers work. LED Marquee: Put on a light show and impress your friends with this flashy finale.

Electronic Circuits - Mike Tooley 2019-11-07

Electronics explained in one volume, using both theoretical and practical applications. Mike Tooley provides all the information required to get to grips with the fundamentals of electronics, detailing the underpinning knowledge necessary to appreciate the operation of a wide range of electronic circuits, including amplifiers, logic circuits, power supplies and oscillators. The 5th edition includes an additional chapter showing how a wide range of useful electronic applications can be developed in conjunction with the increasingly popular Arduino microcontroller, as well as a new section on batteries for use in electronic equipment and some additional/updated student assignments. The book's content is matched to the latest pre-degree level courses (from Level 2 up to, and including, Foundation Degree and HND), making this an invaluable reference text for all study levels, and its broad coverage is combined with practical case studies based in real-world engineering contexts. In addition, each chapter includes a practical investigation designed to reinforce learning and provide a basis for further practical work. A companion website at <http://www.key2electronics.com> offers the reader a set of spreadsheet design tools that can be used to simplify circuit calculations, as well as circuit models and templates that will enable virtual simulation of circuits in the book. These are accompanied by online self-test multiple choice questions for each chapter with automatic marking, to enable students to continually monitor their own progress and understanding. A bank of online questions for lecturers to set as assignments is also available.

Digital Systems Design Using Verilog - Charles Roth 2015-01-01

DIGITAL SYSTEMS DESIGN USING VERILOG integrates coverage of logic design principles, Verilog as a hardware design language, and FPGA implementation to help electrical and computer engineering students master the process of designing and testing new hardware configurations. A Verilog equivalent of authors Roth and John's previous successful text using VHDL, this practical book presents Verilog constructs side-by-side with hardware, encouraging students to think in terms of desired hardware while writing synthesizable Verilog. Following a review of the basic concepts of logic design, the authors introduce the basics of Verilog using simple combinational circuit examples, followed by models for simple sequential circuits. Subsequent chapters ask readers to tackle more and more complex designs. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Modern CMOS Circuits Manual - R. M. Marston 1996

This Circuits Manual examines operating principles and practical applications of modern medium-speed and 'fast' CMOS digital ICs. 470 carefully selected circuits, diagrams, graphs and tables are supported by the informative 'how to' text and by detailed descriptions of more than 120 modern CMOS ICs and their practical applications. Although ideal for practical design engineers and technicians, this book will doubtless also be of great interest to hobbyists and students of electronics. Using clear and comprehensive language, each chapter begins with an explanation of the basic principles of the subject followed by the presentation of circuits and useful data. The first chapter describes and explains digital IC basics, CMOS and TTL principles, the various CMOS sub-families and CMOS basic-usage rules. Chapter 2 gives a practical introduction to CMOS basics via the 4007UB IC, which can be used in both digital and linear applications. Chapter 3 deals with modern logic circuitry, and Chapter 4 with CMOS bilateral switches and data selectors. The next six chapters progress through waveform generator circuitry, clocked flip-flop and counter circuits, ICs, special counter/dividers, data latches, registers, comparators, and code converters. Chapter 11 focuses on specialised types of IC such as multiplexers and decoders while the final chapter presents a

miscellaneous collection of useful CMOS circuits.

One Hundred One Solderless Breadboarding Projects - Delton T. Horn 1988

The ARRL Handbook for the Radio Amateur - 1993

Electronic Projects For Beginners - A.K. Maini 1997-11-24

The book contains 50 projects in all complete with comprehensive functional description, Parts list, Construction details such as PCB and Components' layouts, Testing guidelines, suitable alternatives in case of uncommon components and lead/pin identification guidelines in case of Semiconductor Devices and Integrated Circuits (ICs). The first three introductory chapters contain a lot of practical information. The first chapter gives operational basics and application relevant information in case of electronic components such as Resistors, Capacitors, Coils, Transformers, Diodes, Transistors, LEDs, Displays, SCRs, Opamps, Timers, Voltage Regulators and General purpose digital ICs such as Gates, Flip flops, Counters etc.

Electronic Design - 2002

Basic Electronics for Scientists and Engineers - Dennis L. Eggleston 2011-04-28

Ideal for a one-semester course, this concise textbook covers basic electronics for undergraduate students in science and engineering. Beginning with the basics of general circuit laws and resistor circuits to ease students into the subject, the textbook then covers a wide range of topics, from passive circuits through to semiconductor-based analog circuits and basic digital circuits. Using a balance of thorough analysis and insight, readers are shown how to work with electronic circuits and apply the techniques they have learnt. The textbook's structure makes it useful as a self-study introduction to the subject. All mathematics is kept to a suitable level, and there are several exercises throughout the book. Password-protected solutions for instructors, together with eight laboratory exercises that parallel the text, are available online at www.cambridge.org/Eggleston.

Parallel Port Complete - Jan Axelson 1996

This book is for programmers, hardware designers, and anyone who uses the PC's parallel port to communicate with printers and other peripheral devices. The tips, tools, and examples in this complete reference will save you time, spark new ideas for your own projects, and help you use all of a port's abilities - including the new high-speed, bidirectional modes.

SMPTE Journal - Society of Motion Picture and Television Engineers 1977

Power-Switching Converters - Dorin O. Neacsu 2014-10-31

Power converters are at the heart of modern power electronics. From automotive power systems to propulsion for large ships, their use permeates through industrial, commercial, military, and aerospace applications of various scales. Having reached a point of saturation where we are unlikely to see many new and revolutionary technologies, industry no

Electronics Projects Vol. 6 - EFY Enterprises Pvt Ltd 2009-11

Electronics Explained - Louis E. Frenzel 2017-05-31

Electronics Explained, Second Edition, takes a systems based approach to the fundamentals of electronics, covering the different types of electronic circuits, how they work, and how they fit together to create modern electronic equipment, enabling you to apply, use, select, operate and discuss common electronic products and systems. This new edition has been updated to show the latest technological trends with added coverage of: Internet of Things (IoT) Machine-to-Machine (M2M) technology Ethernet to 100 Gb/s Wi-Fi, Bluetooth and other wireless technologies 5G New Radio cellular standards Microcontrollers and programming with the Arduino, BASIC Stamp and others Learn about the basic components of electronics such as resistors, capacitors, inductors, transformers, diodes, transistors, and integrated circuits Discover different types of circuits, using the functional block diagram approach which makes it easy to understand their purpose and application Get involved with Hands-On projects in each chapter, using components and ICs with the breadboarding socket

Newnes Electronics Circuits Pocket Book (Linear IC) - R M MARSTON 2016-07-02

Newnes Linear IC Pocket Book is aimed directly at those engineers, technicians, students and competent experimenters who can build a

design directly from a circuit diagram, and if necessary modify it to suit individual needs. Dealing with strictly linear ICs each chapter deals with a specific type or class covering both basic principles and presenting a wide spectrum of applications, circuits and tables.

Computer Science - Edward K. Blum 2011-12-02

Computer Science: The Hardware, Software and Heart of It focuses on the deeper aspects of the two recognized subdivisions of Computer Science, Software and Hardware. These subdivisions are shown to be closely interrelated as a result of the stored-program concept. Computer Science: The Hardware, Software and Heart of It includes certain classical theoretical computer science topics such as Unsolvability (e.g. the halting problem) and Undecidability (e.g. Godel's incompleteness theorem) that treat problems that exist under the Church-Turing thesis of computation. These problem topics explain inherent limits lying at the heart of software, and in effect define boundaries beyond which computer science professionals cannot go beyond. Newer topics such as Cloud Computing are also covered in this book. After a survey of traditional programming languages (e.g. Fortran and C++), a new kind of computer Programming for parallel/distributed computing is presented using the message-passing paradigm which is at the heart of large clusters of computers. This leads to descriptions of current hardware platforms for large-scale computing, such as clusters of as many as one thousand which are the new generation of supercomputers. This also leads to a consideration of future quantum computers and a possible escape from the Church-Turing thesis to a new computation paradigm. The book's historical context is especially helpful during this, the centenary of Turing's birth. Alan Turing is widely regarded as the father of Computer Science, since many concepts in both the hardware and software of Computer Science can be traced to his pioneering research. Turing was a multi-faceted mathematician-engineer and was able to work on both concrete and abstract levels. This book shows how these two seemingly disparate aspects of Computer Science are intimately related. Further, the book treats the theoretical side of Computer Science as well, which also derives from Turing's research. Computer Science: The Hardware, Software and Heart of It is designed as a professional book for practitioners and researchers working in the related fields of Quantum Computing, Cloud Computing, Computer Networking, as well as non-scientist readers. Advanced-level and undergraduate students concentrating on computer science, engineering and mathematics will also find this book useful.

Simple, Low-cost Electronics Projects - Fred Blechman 1998-08-20

Fred's explanations are clear, readable, and friendly. Each project comes with a complete discussion of circuit theory, circuit board and parts placement layouts, excellent hints on building and testing each circuit, suggestions for packaging, and a complete parts list. Few things are as satisfying as when an electronic device you built yourself comes to life when you flip the "On" switch. You're guaranteed success with this essential book on your workbench!

Resonant Converter -> Resonant Inverter - Thorsten Borresch 1997-10-20

Inhaltsangabe:Abstract: The report describes the building of a simple resonant converter with a series resonant circuit as load. This work is a subject in the field of power electronics. The report includes a complete description of the analytical fundamentals of a DC/AC converter with a resonant circuit as load. Modern semiconductor devices like IGBTs, MBGTs, MOSFETs, Thyristors, ... are also tested for a successful using in converter circuits. The most important thing in this work is the minimizing of the switching losses in the semiconductor devices. For that purpose the switching point lays near the current and voltage zero. The special difficulties for the dimensioning of the components are commented. The practical building of the resonant converter is described with all details: dimensioning of the components-, circuit diagrams; breadboard arrangement; ... The function of the constructed resonant converter is tested by measurements. In addition there is a comparison of the measurements and the calculations made before. The report ends with a detailed bibliography. Zusammenfassung: Die Diplomarbeit befaßt sich mit einem Thema aus der elektrischen Leistungselektronik: Dem Aufbau eines simplen Schwingkreisumrichters mit Reihenschwingkreis. Neben einer ausführlichen analytischen Betrachtung der Grundlagen eines Wechselumrichters mit Reihenschwingkreises, werden auch moderne Halbleiterschalter wie IGBT, MBGT, MOSFET, Thyristoren,.... auf ihre Tauglichkeit für den gegebenen Verwendungszweck untersucht. Das Hauptaugenmerk wird bei dieser Arbeit auf die Minimierung der Schaltverluste in den Halbleiterbauelementen gelegt. Dazu ist der Schaltpunkt in die Nähe des

Strom- und Spannungsnulldurchgangs gelegt. Die besonderen Schwierigkeiten, die sich daher für die Bauteileauswahl ergeben, sind kommentiert, Für den praktischen Aufbau eines Schwingkreisumrichters sind alle notwendigen Dimensionierungen für die Bauteile, Stromlaufpläne, Platinaufbaupläne,.... in der Arbeit zu finden. Die Funktion des dimensionierten und aufgebauten Schwingkreisumrichters wird durch abschließende Messungen überprüft. Im Anschluß werden die Meßergebnisse mit den zuvor durchgeführten Berechnungen verglichen. Die Arbeit enthält darüberhinaus ein ausführliches Literaturverzeichnis. Inhaltsverzeichnis:Table of Contents: ABSTRACT 2 CHAPTER 1 1.NOMENCLATURE 8 CHAPTER 2 2.INTRODUCTION 10 2.1GENERAL 10 2.2APPLICATIONS FOR RESONANT INVERTERS [...]

Electronics Projects Vol. 4 - EFY Enterprises Pvt Ltd 2009-11

ULSI Process Integration II - Cor L. Claeys 2001

Practical Electronics for Inventors, Fourth Edition - Paul Scherz 2016-04-05

A Fully-Updated, No-Nonsense Guide to Electronics Advance your electronics knowledge and gain the skills necessary to develop and construct your own functioning gadgets. Written by a pair of experienced engineers and dedicated hobbyists, Practical Electronics for Inventors, Fourth Edition, lays out the essentials and provides step-by-step instructions, schematics, and illustrations. Discover how to select the right components, design and build circuits, use microcontrollers and ICs, work with the latest software tools, and test and tweak your creations. This easy-to-follow book features new instruction on programmable logic, semiconductors, operational amplifiers, voltage regulators, power supplies, digital electronics, and more. Practical Electronics for Inventors, Fourth Edition, covers: Resistors, capacitors, inductors, and transformers Diodes, transistors, and integrated circuits Optoelectronics, solar cells, and phototransistors Sensors, GPS modules, and touch screens Op amps, regulators, and power supplies Digital electronics, LCD displays, and logic gates Microcontrollers and prototyping platforms Combinational and sequential programmable logic DC motors, RC servos, and stepper motors Microphones, audio amps, and speakers Modular electronics and prototypes

Designing Analog Chips - Hans Camenzind 2005

A comprehensive introduction to CMOS and bipolar analog IC design. The book presumes no prior knowledge of linear design, making it comprehensible to engineers with a non-analog back-ground. The emphasis is on practical design, covering the entire field with hundreds of examples to explain the choices. Concepts are presented following the history of their discovery. Content: 1. Devices Semiconductors, The Bipolar Transistor, The Integrated Circuit, Integrated NPN Transistors, The Case of the Lateral PNP Transistor, CMOS Transistors, The Substrate PNP Transistor, Diodes, Zener Diodes, Resistors, Capacitors, CMOS vs. Bipolar; 2. Simulation, DC Analysis, AC Analysis, Transient Analysis, Variations, Models, Diode Model, Bipolar Transistor Model, Model for the Lateral PNP Transistor, MOS Transistor Models, Resistor Models, Models for Capacitors; 3. Current Mirrors; 4. Differential Pairs; 5. Current Sources; 6. Time Out: Analog Measures, dB, RMS, Noise, Fourier Analysis, Distortion, Frequency Compensation; 7. Bandgap References; 8. Op Amps; 9. Comparators; 10. Transimpedance Amplifiers; 11. Timers and Oscillators; 12. Phase-Locked Loops; 13. Filters; 14. Power, Linear Regulators, Low Drop-Out Regulators, Switching Regulators, Linear Power Amplifiers, Switching Power Amplifiers; 15. A to D and D to A, The Delta-Sigma Converter; 16. Odds and Ends, Gilbert Cell, Multipliers, Peak Detectors, Rectifiers and Averaging Circuits, Thermometers, Zero-Crossing Detectors; 17. Layout.

A Course in Electrical Engineering - Chester Laurens Dawes 1947

Nanoelectronics and Information Technology - Rainer Waser 2012-05-29

This outstanding textbook provides an introduction to electronic materials and device concepts for the major areas of current and future information technology. On about 1,000 pages, it collects the fundamental concepts and key technologies related to advanced electronic materials and devices. The obvious strength of the book is its encyclopedic character, providing adequate background material instead of just reviewing current trends. It focuses on the underlying principles which are illustrated by contemporary examples. The third edition now holds 47 chapters grouped into eight sections. The first two sections are devoted to principles, materials processing and characterization methods. Following sections hold contributions to relevant materials and

various devices, computational concepts, storage systems, data transmission, imaging systems and displays. Each subject area is opened by a tutorial introduction, written by the editor and giving a rich list of references. The following chapters provide a concise yet in-depth description in a given topic. Primarily aimed at graduate students of physics, electrical engineering and information technology as well as material science, this book is equally of interest to professionals looking for a broader overview. Experts might appreciate the book for having quick access to principles as well as a source for getting insight into related fields.

Beginning Digital Electronics Through Projects - Andrew Singmin
2001-01-10

This text, through digital experiments, aims to teach the reader practical electronics circuit theory and building techniques. Step-by-step instructions are used to teach techniques for component identification, soldering and troubleshooting.

Practical Electronics for Inventors 2/E - Paul Scherz 2006-12-05
THE BOOK THAT MAKES ELECTRONICS MAKE SENSE This intuitive, applications-driven guide to electronics for hobbyists, engineers, and students doesn't overload readers with technical detail. Instead, it tells you-and shows you-what basic and advanced electronics parts and components do, and how they work. Chock-full of illustrations, Practical Electronics for Inventors offers over 750 hand-drawn images that provide clear, detailed instructions that can help turn theoretical ideas into real-life inventions and gadgets. CRYSTAL CLEAR AND COMPREHENSIVE Covering the entire field of electronics, from basics through analog and digital, AC and DC, integrated circuits (ICs), semiconductors, stepper motors and servos, LCD displays, and various input/output devices, this guide even includes a full chapter on the latest microcontrollers. A favorite memory-jogger for working electronics engineers, Practical Electronics for Inventors is also the ideal manual for those just getting

started in circuit design. If you want to succeed in turning your ideas into workable electronic gadgets and inventions, is THE book. Starting with a light review of electronics history, physics, and math, the book provides an easy-to-understand overview of all major electronic elements, including: Basic passive components o Resistors, capacitors, inductors, transformers o Discrete passive circuits o Current-limiting networks, voltage dividers, filter circuits, attenuators o Discrete active devices o Diodes, transistors, thyristors o Microcontrollers o Rectifiers, amplifiers, modulators, mixers, voltage regulators ENTHUSIASTIC READERS HELPED US MAKE THIS BOOK EVEN BETTER This revised, improved, and completely updated second edition reflects suggestions offered by the loyal hobbyists and inventors who made the first edition a bestseller. Reader-suggested improvements in this guide include: Thoroughly expanded and improved theory chapter New sections covering test equipment, optoelectronics, microcontroller circuits, and more New and revised drawings Answered problems throughout the book Practical Electronics for Inventors takes you through reading schematics, building and testing prototypes, purchasing electronic components, and safe work practices. You'll find all this in a guide that's destined to get your creative-and inventive-juices flowing.

Basic Integrated Circuit Engineering - Douglas J. Hamilton 1975
-- Solutions manual to accompany Basic integrated circuit engineering. [By] Douglas J. Hamilton [and] William G. Howard. N.Y., McGraw-Hill, 1976. 280p.

JunkBots, Bugbots, and Bots on Wheels: Building Simple Robots With BEAM Technology - David Hrynkiw 2002-10-18

From the publishers of BattleBots: The Official Guide comes this do-it-yourself guide to BEAM (Biology, Electronics, Aesthetics, Mechanics) robots. They're cheap, simple, and can be built by beginners in just a few hours, with help from this expert guide complete with full-color photos. Get ready for some dumpster-diving!