Robot Building for Beginners

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Learning robotics by yourself isnt easy, but it helps when the encouragement comes from an expert whos spent years in the field. Not only does author David Cook assist you in understanding the component parts of robot development, but he also presents valuable techniques that prepare you to make new discoveries on your own.

Cook begins with the anatomy of a homemade robot and gives you the best advice on how to proceed successfully. General sources for tools and parts are provided in a consolidated list, and specific parts are recommended throughout the book. Also, basic safety precautions and essential measuring and numbering systems are promoted throughout.

Specific tools and parts covered include digital multimeters, motors, wheels, resistors, LEDs, photoresistors, transistors, chips, gears, nut drivers, batteries, and more. "Robot Building for Beginners" is an inspiring book that provides an essential base of practical knowledge for anyone getting started in amateur robotics.

Robot Building for Beginners Details

Date   : Published January 16th 2002 by Apress (first published 2002)
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Author : David Cook
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From Reader Review Robot Building for Beginners for online ebook

Anders says

This book gave a very good introduction into robot building and getting hardware for projects. Such an joy to read and easy to understand. It did not just get me interested in electronics it also got me interested in control theory a subject which im currently studying. This book is highly recommended as a first introduction to electronics and also robot building.

Tom O says

yeah if by "beginners" you mean 6 year olds

Cloay says

- available in SG NLB 629.892 (Serangoon)

Dr.genius says

introduction to robot

Mark Moran says

Fun book and a fast read, especially as a precursor to reading David's excellent book, Intermediate Robot Building.

Vidya Sagar V says

this is for absolute beginners and best to understand about all components required

Andrew says

An absolutely amazing book! I just swallowed it over 2 long nights and definitely will buy a paper copy to keep on my table for a first month or two of doing electronics. While not being a perfect book on robot building, it serves an excellent practical and simple introduction to electronics yet with advices full of wisdom of a seasoned professional.

Smellsofbikes says

he's not joking when he says "for beginners" -- this is robot building for someone who has never done anything mechanical or electrical, and it's comprehensive and excellent, covering electronics, how to use multimeters and do soldering, math needed for figuring out what discrete components are required, and what sort of designs work well.

Douglas Zaznaow says

I read the second (not pictured) edition of this book by David Cook. I refer to this one, not the pictured first edition in this review.

I found this book a very comprehensive guide to building basic robots- although only one robot (David Cook named it Sandwich after the sandwich container it uses as a body) is included in this book, the parts and techniques explained could certainly help you make many more. Sandwich is a line-following robot and although I am sure it is simple by robotics standards, it is still an ambitious project for someone with little or no experience in robotics, such as me. If you plan to read this book and make Sandwich, I suggest

Philippe says

I've built the elementary robot following this book's instructions. The book is very clear, even for complete beginners. But the robot is not very smart, being based on analog devices only.

Mark Yoshida says

Seemingly good intro to robot building. ("Seemingly" only bc I didn't do any of the actual robot-building yet.) Easy to read and understand. Besides covering practical electronics such as components and tools, it offers advice and thoughts on robotics, parts, etc.