Arduino Robotics (Technology in Action)

Von John-David Warren, Josh Adams, Harald Molle
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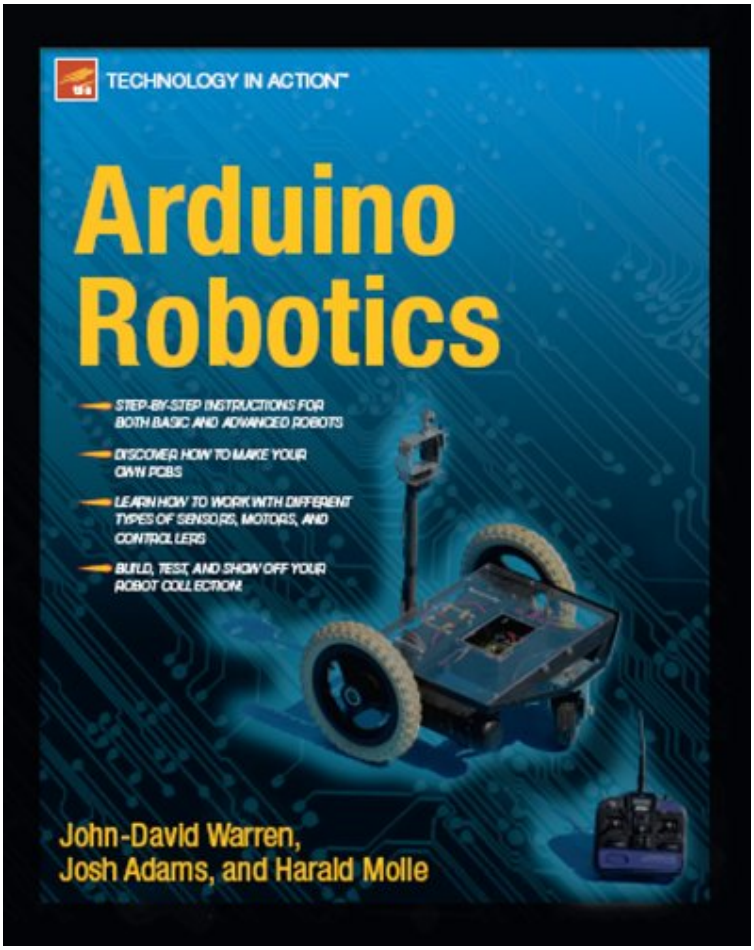

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Von John-David Warren, Josh Adams, Harald Molle : Arduino Robotics (Technology in Action) before purchasing it in order to gage whether or not it would be worth my time, and all praised Arduino Robotics (Technology in Action):

KurzbeschreibungThis book will show you how to use yourArduino to control a variety of different robots, while providing step-by-step instructions on the entire robot building process. You'll learn Arduino basics as well as the characteristics of different types of motors used in robotics. You also discover controller methods and failsafe methods,and learnhowto apply them to your project. The book starts withbasic robots and moves into more complex

projects, includinga GPS-enabled robot, a robotic lawn mower, a fighting bot, and even a DIY Segway-clone. Introduction to the Arduino and other components needed for robotics Learn how to build motor controllers Build bots from simpleline-following and bump-sensorbotstomore complex robotsthat canmow your lawn, do battle,or even take you for a ride Please note: the print version of this title is black white; the eBook is full color. What youll learn Basics of motor-control Basics of PCB design and fabrication R/C control and decoding Autonomous sensor guidance Frame building from various materials Instructions for a variety of robot designs Who this book is forElectronics and robotics hobbyists and DIY builders.KurzbeschreibungThis book will show you how to use yourArduino to control a variety of different robots, while providing step-by-step instructions on the entire robot building process. You'll learn Arduino basics as well as the characteristics of different types of motors used in robotics. You also discover controller methods and failsafe methods,and learnhowto apply them to your project. The book starts withbasic robots and moves into more complex projects, includinga GPS-enabled robot, a robotic lawn mower, a fighting bot, and even a DIY Segway-clone. Introduction to the Arduino and other components needed for robotics Learn how to build motor controllers Build bots from simpleline-following and bump-sensorbotstomore complex robotsthat canmow your lawn, do battle,or even take you for a ride Please note: the print version of this title is black white; the eBook is full color. What youll learn Basics of motor-control Basics of PCB design and fabrication R/C control and decoding Autonomous sensor guidance Frame building from various materials Instructions for a variety of robot designs Who this book is forElectronics and robotics hobbyists and DIY builders.ber den Autor und weitere MitwirkendeJD is an electronics hobbyist, builder, and relentless tinkerer. As a child, he took apart everything he owned to figure out how it worked. Since then he has built many different projects ranging from anelectric fishing pole to a remote-controlled lawn mower, which was featured on the cover of MAKE magazine in April 2010. Having worked as a builder doing carpentry, plumbing, and electrical work for 8 years, his knowledge is founded in real world experience rather than textbook recitation. In addition to building robots and remote controlled toys, he enjoys automating everyday tasks, blinking LEDs, designing and etching PCBs, and lots of random things in between. Much of his time has been spent researching, building, and testing various motor-controllers to make his bots move. As a self-proclaimed poor man's roboticist, he will always try to find the cheapest way to do something usually by building it himself. JD graduated from the University of Alabama in Birmingham with a degree in Business Management. He currently lives in Birmingham, Alabama with his beautiful wife Melissa and their growing flock of animals.