



A Development Environment for High Performance Embedded Systems

By David Levy

LAP Lambert Acad. Publ. Mrz 2010, 2010. Taschenbuch. Book Condition: Neu. 220x150x9 mm. This item is printed on demand - Print on Demand Neuware - This work discusses distributed, high performance, multiprocessor, embedded real-time systems and the difficulties encountered in implementing such systems. A high performance embedded real-time system architecture is proposed, together with a set of CAD tools intended to facilitate the prototyping of control algorithms on it. The complete system comprises a) a transputer-based hardware platform with I/O and timing appropriate for demanding real-time applications; b) a real-time operating system for task management on the platform; c) a graphical CAD tool for specifying control algorithms, sampling rates and I/O in a block diagram format; d) software for converting the block diagram to code, allocating it to processors, compiling, linking and downloading it onto the target hardware; e) tools for capturing and displaying process variables at run-time; f) techniques for connecting several controllers in a multi-controller system and g) methods for ensuring the predictability of the system operation and timing. The results of the implementation of the first prototype of the system are evaluated, and a complete example of a motion control system is presented. 144 pp. Englisch.



READ ONLINE
[4.43 MB]

Reviews

Merely no words to explain. I really could comprehend everything out of this published e ebook. I found out this publication from my dad and i suggested this publication to learn.

-- **Prof. Margarita Ledner PhD**

This written pdf is fantastic. It normally is not going to expense a lot of. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Gilbert Stroman**

Related PDFs



[Psychologisches Testverfahren](#)

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



[Programming in D](#)

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



[Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success](#)

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success, Eva M. Horn, Susan B. Palmer, Gretchen D. Butera, Joan A. Lieber, How can inclusive early educators plan and deliver...



[Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird](#)

Paperback. Book Condition: New. Not Signed; This is a Tinga Tinga tale inspired by traditional stories from Africa. Lion is king of Tinga Tinga but he can't roar! Can his friend Flea help Lion to find his roar and behave more like...



[Have You Locked the Castle Gate?](#)

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal your information, or plant a virus Have...



[The Java Tutorial \(3rd Edition\)](#)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book stands above the rest because it has..."