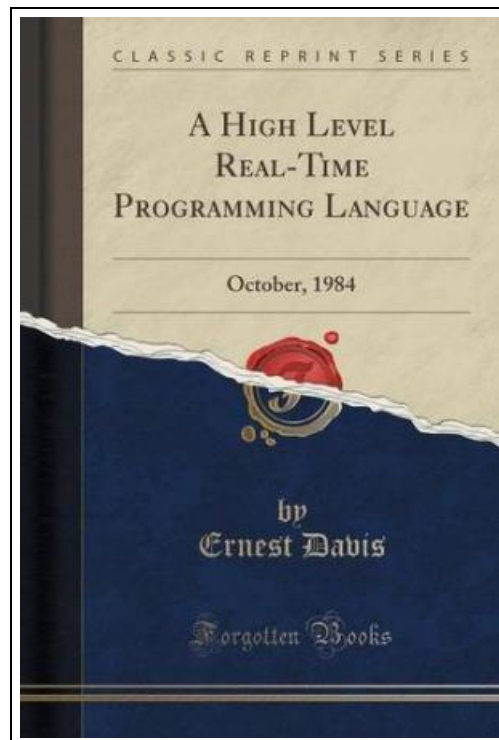


## A High Level Real-Time Programming Language: October, 1984 (Classic Reprint)



Filesize: 6.28 MB

### **Reviews**

*Thorough information! Its such a excellent read. It is really simplistic but unexpected situations within the fifty percent of your pdf. Once you begin to read the book, it is extremely difficult to leave it before concluding.*  
(Johnathon Moore)

## A HIGH LEVEL REAL-TIME PROGRAMMING LANGUAGE: OCTOBER, 1984 (CLASSIC REPRINT)

[DOWNLOAD](#)

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from A High Level Real-Time Programming Language: October, 1984 Introduction We present here an outline of a robot programming language, COAL (COntinuous Action Language), together with a formal semantics. COAL is designed to support an abstraction of programming which can operate in a continuous fashion. Variables can change values continuously over time, execution can be instantaneously interrupted in response to an event, and so on. Such constructs must be implemented in terms of discrete steps, but COAL expresses the idealization behind the implementation, in the way that real arithmetic is the idealization behind floating point arithmetic. In this paper, we will describe the basic elements of COAL, define a formal semantics, and present a few typical programming examples. We have not yet addressed the question of implementation.

2. Overview of COAL 2.1. Variables: COAL supports at least the following types of variables: booleans, integers, real valued vectors (elements of  $R$ ), continuous functions from  $R$  to  $R$  (called real functions), and integer semaphores. Certain global variables will be bound to the input and output devices of the particular robotic system. Sensor variables are associated with particular sensors. At each moment in time, the value of the variable is the current measurement of the sensor. Effector variables are associated with parameters of the robot's effectors. Changing the value of the variable causes a motion by the robot. Effector variables must therefore be generally changed continuously. The global variable clock always has the current time as its value. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten...

[Read A High Level Real-Time Programming Language: October, 1984 \(Classic Reprint\) Online](#)[Download PDF A High Level Real-Time Programming Language: October, 1984 \(Classic Reprint\)](#)

## See Also



### **Read Write Inc. Phonics: Yellow Set 5 Storybook 7 Do We Have to Keep it?**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 211 x 101 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Read eBook >](#)



### **Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.

[Read eBook >](#)



### **Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.

[Read eBook >](#)



### **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually...

[Read eBook >](#)



### **Growing Up: From Baby to Adult High Beginning Book with Online Access**

Cambridge University Press, 2014. UNK. Book Condition: New. New Book. Shipped from US within 10 to 14 business days. Established seller since 2000.

[Read eBook >](#)