

**C. Lins**

# **The Modula-2 Software Component Library**

**Volume 4**



SPRINGER COMPASS INTERNATIONAL



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# The Modula 2 Software Component Library Vol 1 Compass International Ser

**Charles Lins**



## **The Modula 2 Software Component Library Vol 1 Compass International Ser:**

**The Modula-2 Software Component Library** Charles Lins, 2012-12-06 Source Code Availability All of the source code found in this volume and some that is not is available from the author at a nominal fee The author is interested in learning of any errors that may be found though care has been taken in the construction of the modules to minimize these The author is also interested in other comments suggestions recommendations questions or experiences with the use of these modules Contact the author through the following address Modula 2 Software c o Springer Verlag 815 De La Vina St Santa Barbara CA 93101 As of February 1988 source code is available on 3 5 Macintosh diskettes 800K HFS format for the TML Modula 2 compiler for MPW and the Mac METH Modula 2 compiler from ETH Ziirich 1 Specification Requirements for specification of procedure and data abstractions were previously covered in Volume 1 Chapter 2 A summary is provided of the specification for mat used in this book The format is adapted from that Guttag and Liskov 10 developed for the CLU language It consists of relatively few constructs is semi formal by providing a rigorous definition of the syntax and semantics of operations and it provides powerful facilities for defining abstract data types 1 1 Specification of Procedure Abstractions Specification of a procedure requires a full description of syntax and semantics Syntax the name of the procedure by name the name and type of each argument or result and the order in which the arguments and results occur **The Modula-2 Software**

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