

Implementation Summaries

This list represents the descriptions I have received between 29 March 1987 and 27 May 1987.

Name Lucid Common Lisp

Standard Common Lisp

Features .

An EMACS-style text editor with Lisp-oriented features such as parenthesis balancing and pretty-printing.

A window tool kit for creating and accessing windows, bitmaps, and viewports.

An object-oriented programming environment (Flavors).

A foreign function interface to C, Pascal, and FORTRAN.

Version 2.0, February 1987

Support Fully supported by hardware manufacturer or directly by Lucid. Lucid Common Lisp is available on a broad spectrum of general-purpose computers and provides Common Lisp portability across Lucid implementations. Lucid Common Lisp can be ordered in three different packages:

1. Lucid Common Lisp Development Environment
2. Lucid Common Lisp Application Environment
3. Lucid Common Lisp Cross Compiler

Hardware/Software Sun and Apollo workstations, IBM RT PC (AIX), Prime 50 Series, DEC VAX family (VMS and ULTRIX), and Symbolics (Cross Compiler)

Contact Jim Costello, Lucid, Inc., 707 Laurel Street, Menlo Park, CA 94025, (415) 329-8400

Name TI Explorer

Standard Common Lisp

Additional Features .

Compatibility with Zetalisp and Zetalisp's GLOBAL package

Flavors with Flavor Inspector

Locatives

Stack groups

Multiple processes

Dynamic closures

LOOP Macro

Menu driven network and site configuration

Type checking is done at runtime with special machine logic to avoid speed penalties. Type declarations are observed for compiler optimizations.

Compiler optimizations include tail recursion elimination, constant folding, inline expansion of function calls, and dead code elimination.

Copying garbage collector, both batch and incremental

Graphics operations with color optional

Compiler available for C. Function calls between Lisp and C.

Advanced condition signaling and handling facility

Subprimitives available to examine memory locations

Microcode supported function call metering

Physical arrays allow ordinary Lisp code to access all physical memory on the NuBus independent of Lisp virtual memory mapping

Version Release 2.1 (sold only with the hardware) includes the basic Lisp machine environment plus the following extra features: Glossary, Suggestions, Profile, New User utility, and Universal Command Loop.

Optional extra cost software available from TI include TCP/IP, Sun's Network File System, TI Prolog, Relational Table Management System, Natural Language Menu system, Raster Tech color graphics, Graphics Window System, Graphics Editor, and Tree Editor

Support Fully supported by TI. Source is free with all licensed software except for TI Prolog.

Hardware/Software TI Explorer in NuBus chassis or TI Explorer LX (Explorer processor plus 68K-based processor running TI System V in one NuBus chassis)

Contact Explorer Product Marketing, Texas Instruments, P.O. Box 2909, M/S 2107, Austin, TX 78769

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