Artificial Intelligence Project---RLE and MIT Computation Center

Memo 28 --LISP 1.5 Programmer's Manual

by Michael Levin

This memo is to be issued simultaneously with the new LISP 1.5 Programmer's Manual. At the present time, the manual is without a general index and without any appendicies.

Appendix A is planned as a complete list of functions within the LISP system, and will be issued shortly. Other appendicies will contain detailed information about the interpreter, input-output, and system operation.

The manual is intended to apply to a version of LISP 1.5 called "LISP 1.5 Export A" which has not yet been issued. LISP 1.5 systems preceding this version differ in certain details.

Pre-export LISP 1.5

1. The compiler cannot handle FSUBR or FEXPR defined functions, or functions that link with these.

2. The compiler modes are -

COMPILEMODE (TRACE) } for tracing
COMPILEMODE (NORMAL) }

OPENCONS (NIL) } for cons
CLOSECONS (NIL) }

SET3 (PRINTSAP T) } printing
SET3 (PRINTSAP F) } no printing

no punched sap is available

3. Traclis can only trace EXPR's.

4. Error diagnostics listed as A6 and A7 will appear as A10 and A11 in the current system.

Errata: LISP 1.5 Programmer's Manual

page	line	
8	12	If ξ is a form...
8	12	$\lambda((x_1,\ldots,x_n), \xi)$
8	15	$x_1,\ldots,x_n$ in that order in ξ and...
18	4	$\lambda[[x_1;\ldots;x_n]; \xi]^*$ is $(LAMBDA,(x_1^*,\ldots,x_n^*), \xi^*)$.
18	5	$label[a; \xi]^*$ is $(LABEL,a^*, \xi^*)$.
18	8	that if fn = {ξ}*
19	2	[atom[car[e] → [
41	6	change "to the APPLY operator." to "to evalquote."

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