

Code: **386**

Computer Type: **Compaq 386 (20Mhz 386)**

Operating System: **386/IX 5.3 rev level 1.01 (unix)**

Lisp: **Lucid 2.0**

Disk Configuration: **134MB ESDI**

Swapping Size: **unknown**

Memory Configuration: **10MB; 32kB 20ns cache**

Display Configuration: **terminal**

Other Configuration: **none**

Special Comments: **none**

Timing Template: **elapsed (run)**

Date-of-test: **Spring 1988**

Code: **386T**

Computer Type: **Compaq 386 portable (Toaster)**

Operating System: **386/IX 5.3 rev level 1.01 (unix)**

Lisp: **Lucid 2.0**

Disk Configuration: **40MB**

Swapping Size: **unknown**

Memory Configuration: **10MB; no cache**

Display Configuration: **tiny LCD**

Other Configuration: **tiny display**

Special Comments: **portable version of "386" above**

Timing Template: **elapsed (run)**

Date-of-test: **Spring 1988**

Code: **4/260**

Computer Type: **Sun 4/280**

Operating System: **SunOS 3.2 Gamma**

Lisp: **Lucid 2.1**

Disk Configuration: **unknown**

Swapping Size: **unknown**

Memory Configuration: **32MB**

Display Configuration: **Hi Res color in mono**

Other Configuration:

Special Comments: **used :EXPAND 130 :GROWTH-RATE 130**

Timing Template: **elapsed (user-run + system-run)**

Date-of-test: **Summer 1988**

Code: **4/280**  
Computer Type: **Sun 4/280**  
Operating System: **SunOS 3.2 Gamma**  
Lisp: **Lucid 2.1 beta**  
Disk Configuration: **417 (Eagle)**  
Swapping Size: **60MB**  
Memory Configuration: **8MB**  
Display Configuration: **Hi Res mono**  
Other Configuration:  
Special Comments:  
Timing Template: **elapsed (user-run + system-run)**  
Date-of-test: **Winter 1988**

Code: **DEC-II**  
Computer Type: **DEC MicroVax II/GPX**  
Operating System: **VMS**  
Lisp: **VaxLisp**  
Disk Configuration: **2 x 159MB**  
Swapping Size: **3k pg page, 8k pg swap**  
Memory Configuration: **16MB**  
Display Configuration: **GPX**  
Other Configuration:  
Special Comments:  
Timing Template: **elapsed - gc-elapsed (run - gc-run)**  
Date-of-test: **Fall 1987**

Code: **DEC-III**  
Computer Type: **DEC MicroVax III (3500)**  
Operating System: **VMS**  
Lisp: **VaxLisp**  
Disk Configuration: **(RD53)**  
Swapping Size: **unknown**  
Memory Configuration: **16MB**  
Display Configuration:  
Other Configuration:  
Special Comments:  
Timing Template: **elapsed - gc-elapsed (run - gc-run)**  
Date-of-test: **Fall 1987**

Code: **E-3/75**

Computer Type: **Sun 3/75**

Operating System: **SunOS 3.1**

Lisp: **Franz Extended Common Lisp 2.0**

Disk Configuration: **70MB SCSI**

Swapping Size: **50MB local**

Memory Configuration: **28MB**

Display Configuration: **standard resolution mono**

Other Configuration: **Files on Sun 3/180 NFS server**

Special Comments: **Under suntools**

Timing Template: **elapsed (run + gc)**

Date-of-test: **Fall 1987**

Code: **EXP1**

Computer Type: **Texas Instruments Explorer I**

Operating System: **Explorer Lisp Release 4.1**

Lisp: **Explorer Lisp Release 4.1**

Disk Configuration: **2 x 140MB SCSI**

Swapping Size: **80MB**

Memory Configuration: **8MB**

Display Configuration: **1024 x 768 mono**

Other Configuration:

Special Comments: **TGC (incremental generation scavenging GC) on**

Timing Template: **elapsed - paging**

Date-of-test: **November 1988**

Code: **EXP2**

Computer Type: **Texas Instruments Explorer II**

Operating System: **Explorer Lisp Release 4.1**

Lisp: **Explorer Lisp Release 4.1**

Disk Configuration: **2 x 140MB SCSI**

Swapping Size: **80MB**

Memory Configuration: **16MB**

Display Configuration: **1024 x 768 mono**

Other Configuration:

Special Comments: **TGC (incremental generation scavenging GC)**

Timing Template: **elapsed - paging**

Date-of-test: **November 1988**

Code: **EXP2+**  
Computer Type: **Texas Instruments Explorer II Plus**  
Operating System: **Explorer Lisp Release 4.1**  
Lisp: **Explorer Lisp Release 4.1**  
Disk Configuration: **2 x 140MB SCSI**  
Swapping Size: **80MB**  
Memory Configuration: **16MB**  
Display Configuration: **1024 x 768 mono**  
Other Configuration:  
Special Comments: **TGC (incremental generation scavenging GC)**  
Timing Template: **elapsed - paging**  
Date-of-test: **November 1988**

Code: **F-4/280**  
Computer Type: **Sun 4/280**  
Operating System: **SunOS 4.0**  
Lisp: **Franz Allegro Common Lisp 3.0.1 beta**  
Disk Configuration: **2x900**  
Swapping Size: **118MB**  
Memory Configuration: **32MB**  
Display Configuration: **Hi Res mono**  
Other Configuration: **Not running under GnuEmacs; no multi-processing; 4MB initial memory**  
Special Comments:  
Timing Template: **elapsed (user-run + system-run)**  
Date-of-test: **Winter 1989**

Code: **HP**  
Computer Type: **Hewlett Packard 9000/350**  
Operating System: **Unix**  
Lisp: **HP Lisp 1.0**  
Disk Configuration: **130MB (7958)**  
Swapping Size: **unknown**  
Memory Configuration: **16MB**  
Display Configuration: **color**  
Other Configuration: **under gnuemacs**  
Special Comments:  
Timing Template: **elapsed - run**  
Date-of-test: **Fall 1987**

Code: **K-3/75**  
Computer Type: **Sun 3/75**  
Operating System: **SunOS 3.1**  
Lisp: **Kyoto Common Lisp "September 16, 1986"**  
Disk Configuration: **70MB SCSI**  
Swapping Size: **50MB local**  
Memory Configuration: **28MB**  
Display Configuration: **standard resolution mono**  
Other Configuration: **Files on Sun 3/180 NFS server**  
Special Comments: **Under suntools**  
Timing Template: **elapsed - run**  
Date-of-test: **Fall 1987**

Code: **L-3/75**  
Computer Type: **Sun 3/75**  
Operating System: **SunOS 3.1**  
Lisp: **Lucid 2.0**  
Disk Configuration: **70MB SCSI**  
Swapping Size: **50MB local**  
Memory Configuration: **28MB**  
Display Configuration: **standard resolution mono**  
Other Configuration: **Files on Sun 3/180 NFS server**  
Special Comments: **used :EXPAND 90 :GROWTH-RATE 90**  
Timing Template: **elapsed (user-run + system-run)**  
Date-of-test: **Fall 1987**

Code: **Mac2**  
Computer Type: **Apple Macintosh II**  
Operating System: **Mac OS 5**  
Lisp: **Allegro Common Lisp 1.1**  
Disk Configuration: **100MB internal**  
Swapping Size: **n/a**  
Memory Configuration: **5MB**  
Display Configuration: **E-machines Big Picture 17" mono**  
Other Configuration:  
Special Comments:  
Timing Template: **elapsed - paging**  
Date-of-test: **Spring 1988**

**Code: Maci****Computer Type: Symbolics MacIvory****Operating System: Genera 7.3i****Lisp: Genera 7.3i****Disk Configuration: 300MB external****Swapping Size: 25,000kW (122MB)****Memory Configuration: 2,688kW (13MB); 2MB Mac II****Display Configuration: Radius****Other Configuration: Apple EtherTalk****Special Comments:****Timing Template: elapsed - paging****Date-of-test: December 1988****Code: mX****Computer Type: Texas Instruments microExplorer****Operating System: Explorer Lisp 5.0****Lisp: Explorer Lisp 5.0****Disk Configuration: 100MB Rodime****Swapping Size: 60MB****Memory Configuration: 12MB mX processor; 2MB Mac II****Display Configuration: 24" (1280 x 960) Moniterm Viking II****Other Configuration: Apple EtherTalk****Special Comments:****Timing Template: elapsed - paging****Date-of-test: December 1988****Code: RT****Computer Type: IBM RT/APC****Operating System: AIX 2.1.2 (unix)****Lisp: 2.0.5 (Lucid 1.01)****Disk Configuration: "Fast" EESDI controller; 3 x 70MB****Swapping Size: 80k x 512kB blocks (40,960MB)****Memory Configuration: 16MB of "fast" memory****Display Configuration: Moniterm 1024 x 768 mono****Other Configuration: AFT floating point unit; GSL windows****Special Comments: Used :EXPAND 69 to get 6MB semispace;****This should be the fastest RT version now available****Timing Template: elapsed (user-run + system-run)****Date-of-test: Spring 1988**

Code: **Sym**  
Computer Type: **Symbolics 3645**  
Operating System: **Symbolics Release 6.1**  
Lisp: **Symbolics Release 6.1**  
Disk Configuration: **368MB**  
Swapping Size: **200MB**  
Memory Configuration: **8MB**  
Display Configuration:  
Other Configuration: **FPA, no color**  
Special Comments: **EGC on; preliminary indications are that 6.1 performs better in these test than 7.2**  
Timing Template: **elapsed - paging**  
Date-of-test: **Winter 1988**

Code: **XCL**  
Computer Type: **Xerox 1186**  
Operating System: **Xerox Lisp, Lyric release**  
Lisp: **Xerox Lisp, Lyric release**  
Disk Configuration: **40MB**  
Swapping Size: **16MB**  
Memory Configuration: **3.5MB**  
Display Configuration: **19" mono**  
Other Configuration:  
Special Comments:  
Timing Template: **elapsed - gc - paging**  
Date-of-test: **Winter 1988**

**Appendix B -- Test Procedures**

To run a BB1 test the following procedure was followed:

1. The .LISP files were copied to the host under test.
2. Lisp was restarted and any necessary configuration, such as disabling end-of-screen processing, was done.
3. If necessary, a (PROCLAIM '(OPTIMIZE (SPEED X) (SAFETY Y))) form was entered.
4. The form (TIME (LOAD "COMPILE-BB1.LISP")) was entered and allowed to complete without interruption, and the resulting information was recorded. A side effect of loading the COMPILE-BB1 file is that the source files are compiled and loaded.
5. The form (TIME (BB1::TEST-BBEDIT)) was entered and allowed to complete. The results were recorded.
6. Step 5 was repeated, which usually resulted in a better time.
7. Steps 2 through 6 were done a total of 4 times; once skipping step 3 and then for (X, Y) = (3, 0), (0, 3), and (3, 2).

To run a SOAR test the following procedure was followed:

1. The .LISP and .SOAR files were copied to the host under test.
2. Lisp was restarted and any necessary configuration, such as disabling end-of-screen processing, was done.
3. The form (TIME (COMPILE-FILE "SOAR.LISP")) was entered and allowed to complete. The results were recorded.
4. Step 2 was repeated.
5. The following forms were entered:
 

```
(LOAD "SOAR")
(LOAD "DEFAULT.SOAR")
(LOAD "EIGHT.SOAR")
```
6. The form (TIME (RUN-TASK)) was entered. "1<Return>3<Return>" was immediately typed ahead as responses to the prompts soon to follow. The timing was allowed to complete and the results recorded for the "A mode" test.
7. The form (INIT-SOAR) was entered.
8. Step 6 was repeated with "1<Return>1<Return>" in place of "1<Return>3<Return>" for the "B mode" test.
9. Steps 7 and 8 were repeated with "3<Return>3<Return>" in place of "1<Return>3<Return>" for the "C mode" test.
10. The following forms were entered:

(EXCISE EIGHT\*MONITOR-STATE)

(WATCH -1)

11. Step 9 was repeated for the "C no trace mode" test.
12. Steps 2 and 5 were repeated to reload SOAR.
13. Steps 7 and 8 were repeated for the "A no trace mode" test.

## Appendix C: AIM Management Committee Membership

Following are the current membership lists of the various SUMEX-AIM management committees:

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