CINT2000 Result

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ION Computer Systems

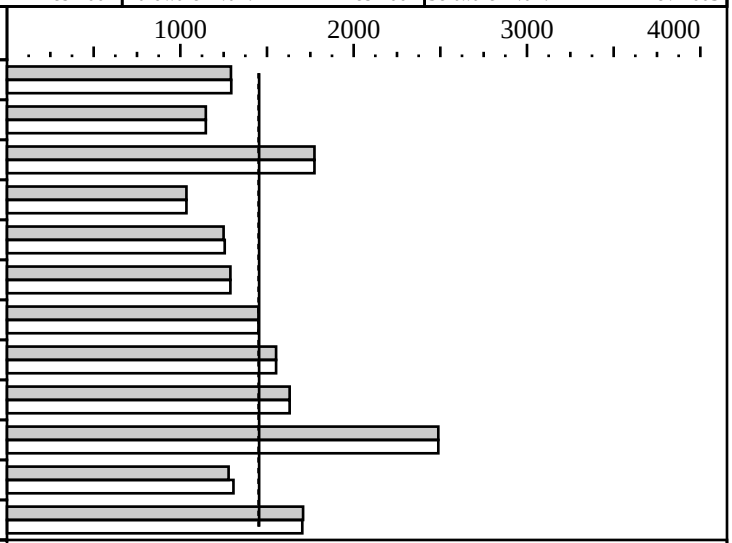
SR2300WV2 (3.2GHz Xeon processor w. 2MB L3 cache)

SPECint2000 = 1455

SPECint_base2000 = 1452

SPEC license #: 2697 | Tested by: K.Josephson, ION | Test date: Feb-2004 | Hardware Avail: Feb-2004 | Software Avail: Nov-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	108	1292	108	1294
175.vpr	1400	122	1147	122	1147
176.gcc	1100	62.0	1774	62.0	1774
181.mcf	1800	174	1035	174	1035
186.crafty	1000	80.0	1250	79.6	1256
197.parser	1800	140	1289	140	1289
252.eon	1300	89.6	1451	89.6	1451
253.perlbmk	1800	116	1552	116	1552
254.gap	1100	67.5	1631	67.5	1631
255.vortex	1900	76.4	2488	76.4	2488
256.bzip2	1500	117	1278	115	1306
300.twolf	3000	176	1708	176	1704



Hardware

CPU:	Intel Xeon processor, 533MHz system bus
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1-2, Only 1 CPU installed, Hyper-Threading Technology disabled in BIOS
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on chip
Other Cache:	None
Memory:	2 GB (2x1GB 2-2-2 DIMMs)
Disk Subsystem:	1x 80GB IDE
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES release 3
Compiler:	Intel(R) C++ Compiler for Linux 8.0 (Build 20031231Z)
File System:	ext2
System State:	Multi-user, 2.4.21 up kernel

Notes/Tuning Information

```
Portability Flags:
      176.gcc: -Dalloca=_alloca -DUSG
   186.crafty: -DLINUX_i386
      252.eon: -DHAS_ERRLIST
      252.eon: srcalt=fmax_errno
  253.perlbmk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_GLIBC22
      254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
               -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
   255.vortex: srcalt=closed_files

INT Baseline optimization flags:
    C programs: PASS1= -xW -prof_gen PASS2= -xW -ipo -O3 -prof_use
  C++ programs: PASS1= -xW -prof_gen PASS2= -xW -ipo -O3 -prof_use
INT Peak optimization flags:
      164.gzip: PASS1= -xW -prof_gen PASS2= -xW -ipo -Oa -O3 -prof_use
       175.vpr: basepeak=yes
       176.gcc: basepeak=yes
       181.mcf: basepeak=yes
```

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Notes/Tuning Information (Continued)

```
     186.crafty: PASS1= -xW -prof_gen PASS2= -xW -ipo -Oa -O3 -prof_use
     197.parser: basepeak=yes
252.eon: basepeak=yes
   253.perlbmk: basepeak=yes
       254.gap: basepeak=yes
    255.vortex: basepeak=yes
     256.bzip2: PASS1= -xW -prof_gen PASS2= -xW -ipo -Oa -O3 -unroll1 -prof_use
     300.twolf: PASS1= -xW -prof_gen PASS2= -xW -ipo -Oa -O3 -prof_use
```