CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

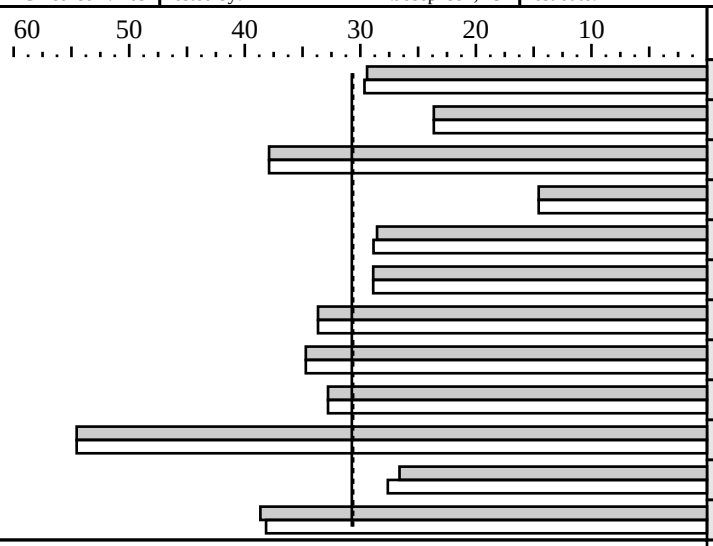
ION Computer Systems

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

SPECint_rate2000 = 30.7

SPECint_rate_base2000 = 30.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	110	29.4	2	110	29.6
175.vpr	2	137	23.6	2	137	23.6
176.gcc	2	67.3	37.9	2	67.3	37.9
181.mcf	2	287	14.6	2	287	14.6
186.crafty	2	81.3	28.6	2	80.4	28.9
197.parser	2	145	28.9	2	145	28.9
252.eon	2	89.6	33.7	2	89.6	33.7
253.perlbmk	2	120	34.7	2	120	34.7
254.gap	2	77.8	32.8	2	77.8	32.8
255.vortex	2	80.8	54.5	2	80.8	54.5
256.bzip2	2	131	26.6	2	126	27.6
300.twolf	2	180	38.6	2	182	38.2

Hardware

CPU:	Intel Xeon processor, 533MHz system bus
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1-2, 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 smp 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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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
```