CINT2000 Result

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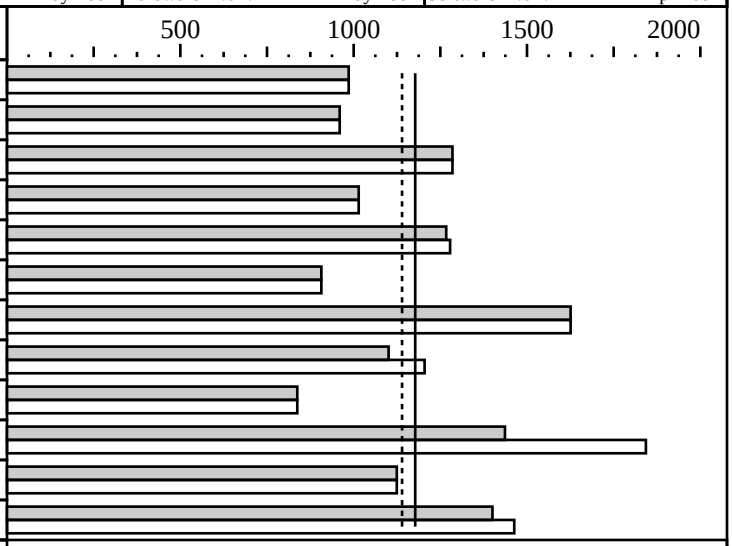
ION
I2X2 (1.6GHz Itanium 2 processor)

SPECint2000 = 1178

SPECint_base2000 = 1140

SPEC license #: 2697 | Tested by: ION | Test date: May-2004 | Hardware Avail: May-2004 | Software Avail: Apr-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	142	986	142	986
175.vpr	1400	146	960	146	960
176.gcc	1100	85.6	1285	85.6	1285
181.mcf	1800	177	1015	177	1015
186.crafty	1000	78.9	1267	78.2	1278
197.parser	1800	199	907	199	907
252.eon	1300	80.0	1626	80.0	1626
253.perlbmk	1800	164	1101	149	1205
254.gap	1100	131	837	131	837
255.vortex	1900	132	1436	103	1843
256.bzip2	1500	133	1124	133	1124
300.twolf	3000	214	1400	205	1463



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1596
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	16KBI + 16KBD per core (on chip)
Secondary Cache:	256KB (I+D) per core (on chip)
L3 Cache:	3072KB (I+D) per core (on chip)
Other Cache:	N/A
Memory:	8 GB (8x1024KB DDR266, 2.5-3-3 DIMMs)
Disk Subsystem:	1x 18GB SCSI (Seagate Cheetah 10k rpm)
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux AS 2.1, smp kernel, 2.4.18-e.43
Compiler:	Intel(R) C++ Compiler for Linux 8.0 (Build 20040416) MicroQuill SmartHeap library 7.01
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

```
Only one processor installed.



INT Baseline optimization flags:
      C programs: PASS1=-prof_gen  PASS2=-fast  -auto_ilp32 -prof_use
    C++ programs: PASS1=-prof_gen  PASS2=-fast  -ansi_alias -prof_use
INT Peak optimization flags:
      164.gzip: basepeak=yes
       175.vpr: basepeak=yes
       176.gcc: basepeak=yes
       181.mcf: basepeak=yes
    186.crafty: PASS1= -prof_gen PASS2= -fast -auto_ilp32 -prof_use
    186.crafty: Extra Library: libsmartheap64.a
    197.parser: basepeak=yes
252.eon: basepeak=yes
   253.perlbmk: PASS1= -prof_gen PASS2= -fast -auto_ilp32 -prof_use
   253.perlbmk: Extra Library: libsmartheap64.a
```

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Notes/Tuning Information (Continued)

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        254.gap: basepeak=yes
     255.vortex: PASS1= -prof_gen PASS2= -fast -auto_ilp32 -prof_use
     255.vortex: Extra Library: libsmartheap64.a
      256.bzip2: basepeak=yes
      300.twolf: PASS1= -prof_gen PASS2= -fast -auto_ilp32 -prof_use
      300.twolf: Extra Library: libsmartheap64.a

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca -D_LIBC
  186.crafty: -DLINUX_i386
  252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST
  252.eon: srcalt=fmax_errno
  253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_LINUX_IA64 -DSPEC_CPU2000_GLIBC22
  254.gap: -DSPEC_CPU2000_LP64 -DSYS_HAS_CALLOC_PROTO -DSYS_IS_USG
           -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
  255.vortex: -DSPEC_CPU2000_LP64
```