CINT2000 Result

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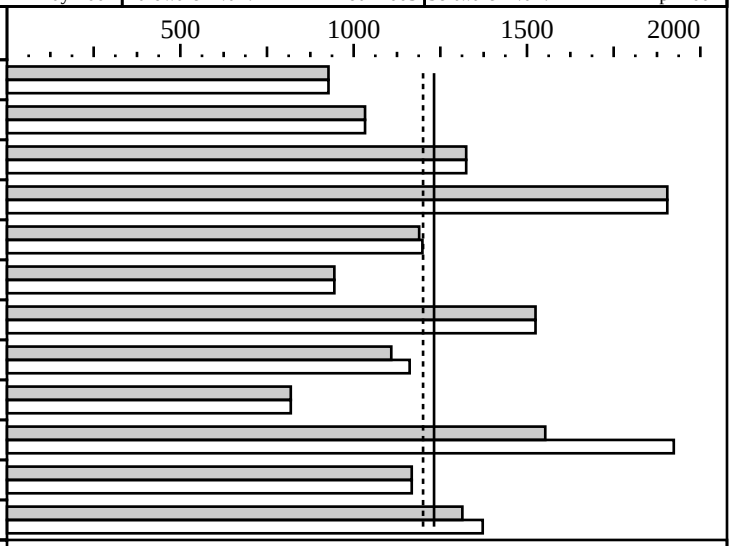
ION
I2X4 (1.5GHz Itanium 2 processor)

SPECint2000 = 1232

SPECint_base2000 = 1200

SPEC license #: 2697 | Tested by: ION | Test date: May-2004 | Hardware Avail: Jul-2003 | Software Avail: Apr-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	151	927	151	927
175.vpr	1400	136	1033	136	1033
176.gcc	1100	83.0	1325	83.0	1325
181.mcf	1800	94.5	1905	94.5	1905
186.crafty	1000	84.1	1189	83.5	1198
197.parser	1800	191	944	191	944
252.eon	1300	85.3	1525	85.3	1525
253.perlbmk	1800	162	1108	155	1161
254.gap	1100	134	819	134	819
255.vortex	1900	122	1553	98.8	1923
256.bzip2	1500	128	1168	128	1168
300.twolf	3000	228	1314	219	1372



Hardware

CPU:	Intel Itanium 2 processor
CPU MHz:	1496
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-4
Parallel:	No
Primary Cache:	16KBI + 16KBD per core (on chip)
Secondary Cache:	256KB (I+D) per core (on chip)
L3 Cache:	6144KB (I+D) per core (on chip)
Other Cache:	N/A
Memory:	8 GB (8x1024KB DDR266, 2.5-3-3 DIMMS)
Disk Subsystem:	1x36GB 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 1 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
```