CINT2000 Result

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Hewlett-Packard Company

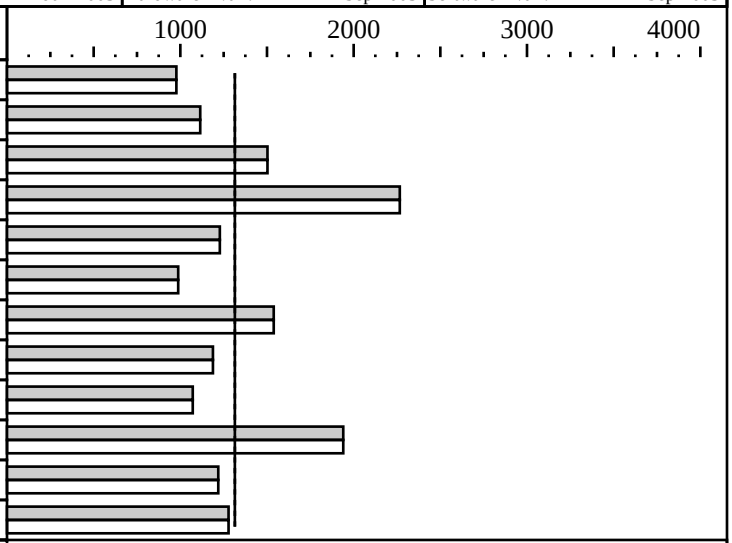
HP Workstation zx6000 (1500 MHz, Itanium 2)

SPECint2000 = 1315

SPECint_base2000 = 1315

SPEC license #: 3 | Tested by: HP Fort Collins | Test date: Jun-2003 | Hardware Avail: Sep-2003 | Software Avail: Sep-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	143	977	143	977
175.vpr	1400	126	1115	126	1115
176.gcc	1100	73.2	1503	73.2	1503
181.mcf	1800	79.4	2266	79.4	2266
186.crafty	1000	81.4	1228	81.4	1228
197.parser	1800	182	988	182	988
252.eon	1300	84.5	1539	84.5	1539
253.perlbmk	1800	152	1188	152	1188
254.gap	1100	103	1072	103	1072
255.vortex	1900	97.9	1940	97.9	1940
256.bzip2	1500	123	1219	123	1219
300.twolf	3000	235	1278	235	1278



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	no
Primary Cache:	16KBI + 16KBD (on chip) per CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	6.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	12GB (12 x 1GB DIMMs)
Disk Subsystem:	1x36GB 10k RPM SCSI disk
Other Hardware:	N/A

Software

Operating System:	HPUX11i-TCOE B.11.23
Compiler:	HP C/ANSI C Compiler B.11.23
	HP aC++ Compiler B.11.23
File System:	vxfs
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags
176.gcc     : -DHOST_WORDS_BIG_ENDIAN
181.mcf     : -DWANT_STDC_PROTO
186.crafty  : -DHP
252.eon     : -I. -DFMAX_IS_DOUBLE -DNDEBUG
              -DSPEC_CPU2000_LP64 (because of 64-bit compile)
253.perlbmk : -DSPEC_CPU2000_HP
254.gap     : -DSPEC_CPU2000_HP -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO
              -DSYS_HAS_TIME_PROTO -DSYS_HAS_CALLOC_PROTO

Base Flags
  all       : +Oprofile=collect:all/+Oprofile=use
  C         : +Ofaster -exec +Odatalayout
  C++       : +Ofaster +inline_level 2 -minshared +DD64

Peak Flags
  same as baseline (basepeak=true set globally)


Kernel Tunables:
```

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Notes/Tuning Information (Continued)

```
    maxdsiz             0x7b03a000
    maxdsiz_64bit    0x04000000000
    maxssiz             0x10000000
    maxssiz_64bit       0x40000000
    vps_ceiling              16384
    vps_pagesize              4096
    swapmem_on                   0
    dbc_max_pct                 20
    dbc_min_pct                 20

  Note:
    EFI shell utility 'cpuconfig' used
    to deconfigure processors if necessary
```