CINT2000 Result

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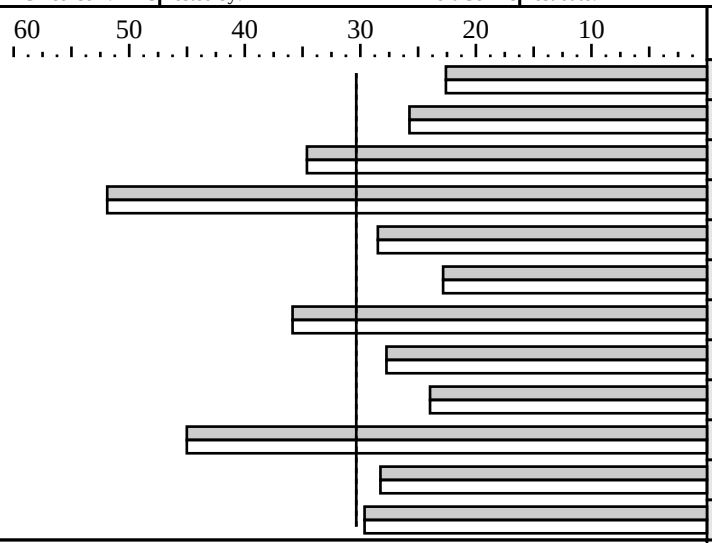
Hewlett-Packard Company

HP Workstation zx6000 (1500 MHz, Itanium 2)

SPECint_rate2000 = 30.4

SPECint_rate_base2000 = 30.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	144	22.6	2	144	22.6
175.vpr	2	126	25.7	2	126	25.7
176.gcc	2	73.7	34.6	2	73.7	34.6
181.mcf	2	80.5	51.9	2	80.5	51.9
186.crafty	2	81.4	28.5	2	81.4	28.5
197.parser	2	183	22.8	2	183	22.8
252.eon	2	84.1	35.9	2	84.1	35.9
253.perlbmk	2	151	27.7	2	151	27.7
254.gap	2	106	24.0	2	106	24.0
255.vortex	2	97.9	45.0	2	97.9	45.0
256.bzip2	2	123	28.3	2	123	28.3
300.twolf	2	235	29.6	2	235	29.6

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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
```