CINT2000 Result

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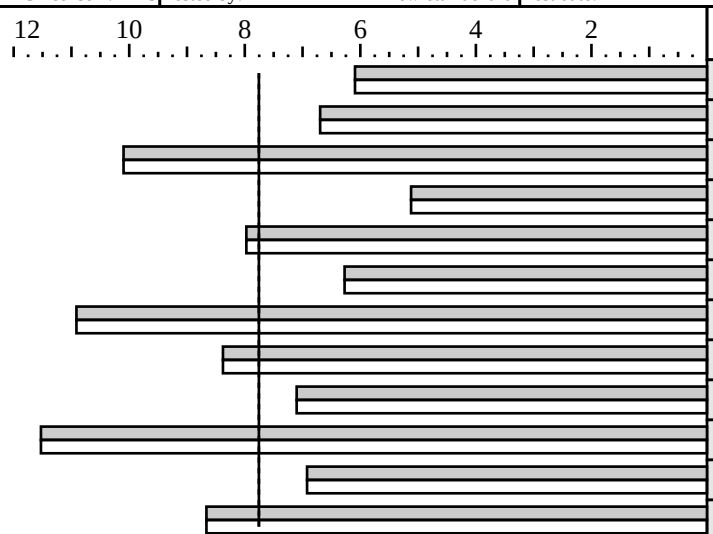
Hewlett-Packard Corporation

hp workstation zx6000 (900MHz, Itanium 2)

SPECint_rate2000 = 7.76

SPECint_rate_base2000 = 7.76

SPEC license #: 3 | Tested by: Hewlett-Packard | Test date: Nov-2002 | Hardware Avail: Sep-2002 | Software Avail: Oct-2002



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	267	6.09	1	267	6.09
175.vpr	1	243	6.70	1	243	6.70
176.gcc	1	126	10.1	1	126	10.1
181.mcf	1	408	5.12	1	408	5.12
186.crafty	1	145	7.97	1	145	7.97
197.parser	1	333	6.27	1	333	6.27
252.eon	1	138	10.9	1	138	10.9
253.perlbmk	1	249	8.38	1	249	8.38
254.gap	1	180	7.10	1	180	7.10
255.vortex	1	191	11.5	1	191	11.5
256.bzip2	1	251	6.92	1	251	6.92
300.twolf	1	402	8.66	1	402	8.66

Hardware

CPU:	Intel Itanium 2
CPU MHz:	900
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:	1.5MB (on chip) per CPU
Other Cache:	N/A
Memory:	6GB (12 * 512MB DIMMS)
Disk Subsystem:	1x36GB SCSI disk
Other Hardware:	N/A

Software

Operating System:	HPUX11i-TCOE B.11.22
Compiler:	HP C/ANSI C Compiler v11.22 HP aC++ Compiler v11.22
	PHSS_27286: C product PHSS_27284: C++ product PHSS_27285: C++ library PHSS_27287: U2comp PHSS_27288: Linker PHSS_27289: Libm PHSS_27290: Assembler PHSS_27291: PBO PHSS_27293: milli.a Caliper v2.1.3 www.hp.com/go/caliper
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
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/+Oprofile=use
  C         : +Ofaster -exec -Wl,-aarchive_shared
  C++       : +Ofaster +inline_level 2 -minshared

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

Kernel Tunables:
```

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Notes/Tuning Information (Continued)

```
    vps_ceiling             16384
    vps_pagesize             4096
    dbc_max_pct                10
    dbc_min_pct                10

  Note:
     EFI shell utility cpuconfig used
     to deconfigure other processor
```