CINT2000 Result

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Hewlett-Packard Corporation

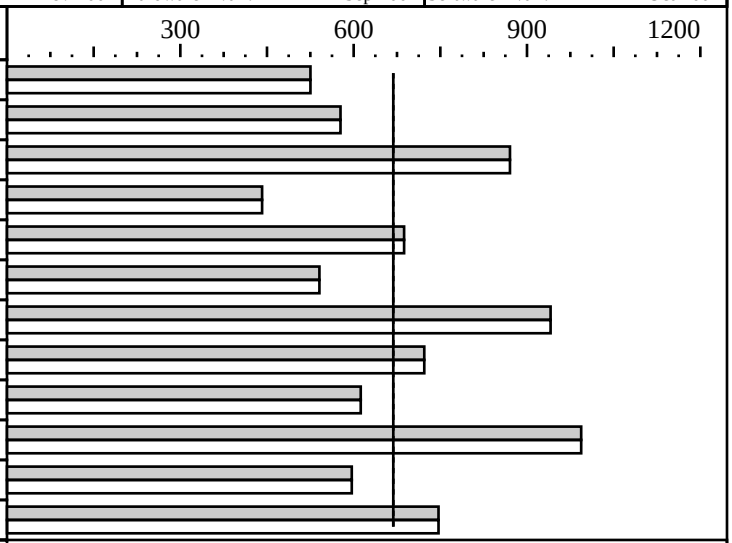
hp workstation zx6000 (900MHz, Itanium 2)

SPECint2000 = 669

SPECint_base2000 = 669

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	267	525	267	525
175.vpr	1400	243	577	243	577
176.gcc	1100	126	871	126	871
181.mcf	1800	408	442	408	442
186.crafty	1000	145	687	145	687
197.parser	1800	333	541	333	541
252.eon	1300	138	941	138	941
253.perlbmk	1800	249	722	249	722
254.gap	1100	180	612	180	612
255.vortex	1900	191	994	191	994
256.bzip2	1500	251	597	251	597
300.twolf	3000	402	747	402	747



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
```