CINT2000 Result

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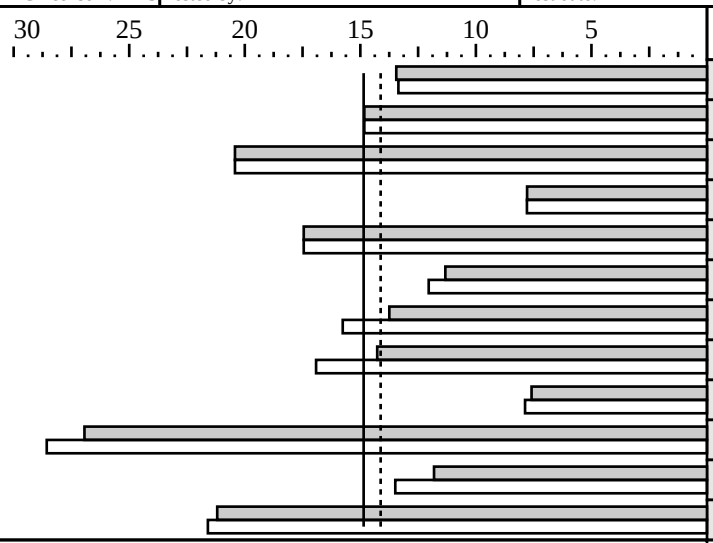
Hewlett-Packard Company
hp workstation j6750

SPECint_rate2000 = 14.9

SPECint_rate_base2000 = 14.1

SPEC license #: 3 | Tested by: HP | Test date: Aug-2002 | Hardware Avail: Nov-2002 | Software Avail: Aug-2002



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	242	13.4	2	243	13.4
175.vpr	2	219	14.8	2	219	14.8
176.gcc	2	125	20.4	2	125	20.4
181.mcf	2	536	7.78	2	536	7.79
186.crafty	2	133	17.4	2	133	17.4
197.parser	2	369	11.3	2	347	12.0
252.eon	2	219	13.7	2	191	15.8
253.perlbmk	2	293	14.3	2	247	16.9
254.gap	2	336	7.59	2	324	7.87
255.vortex	2	164	26.9	2	154	28.6
256.bzip2	2	295	11.8	2	258	13.5
300.twolf	2	328	21.2	2	322	21.6

Hardware

CPU:	PA-8700+
CPU MHz:	875
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1 to 2
Parallel:	No
Primary Cache:	0.75MB(I) + 1.5MB(D) on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	4GB (8x512MB DIMMs total)
Disk Subsystem:	1x18 GB SCSI
Other Hardware:	None

Software

Operating System:	HP-UX 11i TCOE B.11.11.0206.5
Compiler:	HP ANSI C 11.11.04 (Dec 2001 bundle) HP aC++ C.03.33.01 (Dec 2001 bundle) PHSS_24207 libm patch
File System:	VxFS
System State:	Multi-user

Notes/Tuning Information

```
Portability:
  176.gcc: -DHOST_WORDS_BIG_ENDIAN
  186.crafty: -DHP
  252.eon: -DFMAX_IS_DOUBLE
  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

Baseline compile flags:
  C      : +I/+P +Oall +Ostatic_prediction -Wl,-a,archive
  C++    : +I/+P +O3 +Ostatic_prediction -Wl,-a,archive

Peak compile flags:
  164.gzip: +I/+P +Oall +Optrs_strongly_typed +Oinline_budget=800
            -Wl,-a,archive +Ostatic_prediction
  175.vpr: basepeak=true
  176.gcc: basepeak=true
  176.mcf: +I/+P +Oall +Owhole_program_mode +Opromote_indirect_calls
           -Wl,-a,archive +Ostatic_prediction
```

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Notes/Tuning Information (Continued)

```
    186.crafty: basepeak=true
    176.parser: +I/+P +Oall +Odataprefetch +ESfic +Oinline_budget=400
                +Owhole_program_mode -Wl,-a,archive +Ostatic_prediction
    252.eon: +I/+P +noeh +O4 +Optrs_strongly_typed +Olibcalls +Oentrysched
             +A +ESfic -Wl,-a,archive +Ostatic_prediction
    253.perlbmk: +I/+P +Oall +ESlit +ESfic +Optrs_strongly_typed
                 linked with /opt/langtools/lib/fastmem.o
    254.gap: +I/+P +Oall +ESlit +ESfic +Optrs_strongly_typed
             +Opromote_indirect_calls -Wl,-a,archive +Ostatic_prediction
    255.vortex: +I/+P +Oall +Oinline_budget=800 +Optrs_strongly_typed
                -Wl,-a,archive +Ostatic_prediction
    256.bzip2: +I/+P +Oall +Odataprefetch +Optrs_strongly_typed +Owhole_program_mode
               +Onoptrs_to_globals +Oinline_budget=80 -Wl,-a,archive +Ostatic_prediction
    300.twolf: +I/+P +Oall +Optrs_strongly_typed -Wl,-a,archive +Ostatic_prediction

  Operating system configuration notes:


    vps_pagesize 4096, vps_ceiling 16384
    dbc_min_pct=20, dbc_max_pct=20
    maxssiz=0x10000000
```