CINT2000 Result

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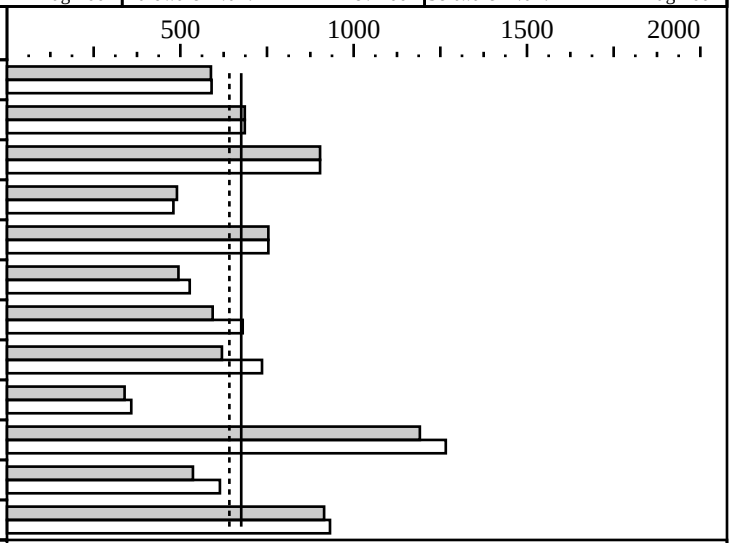
Hewlett-Packard Company
hp workstation j6750

SPECint2000 = 676

SPECint_base2000 = 641

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	238	588	237	590
175.vpr	1400	204	686	204	686
176.gcc	1100	122	903	122	903
181.mcf	1800	367	490	375	480
186.crafty	1000	133	754	133	754
197.parser	1800	364	495	342	527
252.eon	1300	219	593	191	680
253.perlbmk	1800	290	620	245	736
254.gap	1100	324	339	307	358
255.vortex	1900	160	1191	150	1266
256.bzip2	1500	280	536	244	614
300.twolf	3000	328	915	322	932



Hardware

CPU:	PA-8700+
CPU MHz:	875
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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
    2nd processor disabled at boot - co cpu 1 OFF
```