CINT2000 Result

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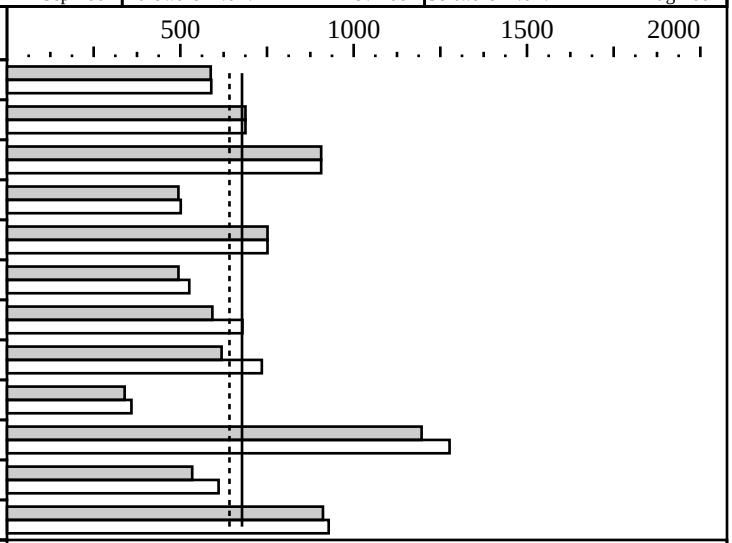
Hewlett-Packard Company
hp workstation c3750

SPECint2000 = 678

SPECint_base2000 = 642

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	238	588	238	589
175.vpr	1400	204	688	204	688
176.gcc	1100	121	906	121	906
181.mcf	1800	364	494	359	501
186.crafty	1000	133	751	133	751
197.parser	1800	364	495	342	526
252.eon	1300	219	592	191	679
253.perlbmk	1800	291	619	245	735
254.gap	1100	324	339	306	359
255.vortex	1900	159	1196	149	1277
256.bzip2	1500	281	534	246	610
300.twolf	3000	329	911	323	928



Hardware

CPU:	PA-8700+
CPU MHz:	875
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	0.75MB(I) + 1.5MB(D) on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	3GB (4x256MB,4x512MB DIMMs total)
Disk Subsystem:	1x18,1x36 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
```