CINT2000 Result

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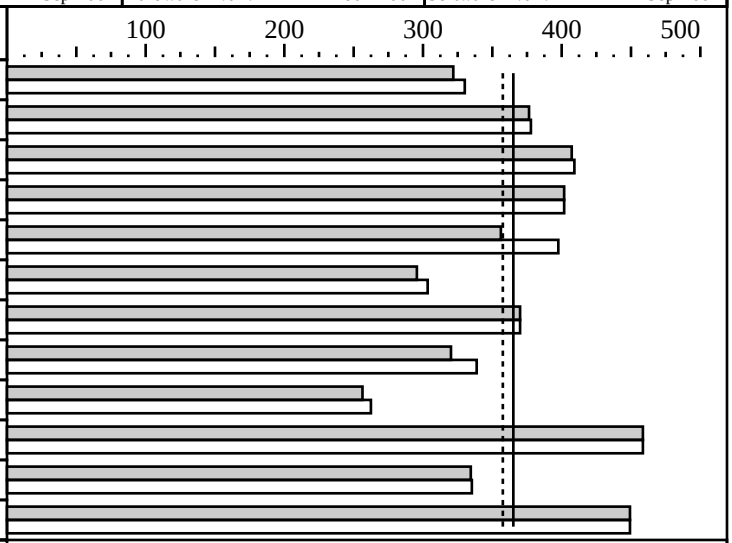
Hewlett-Packard Company
hp workstation i2000

SPECint2000 = 365

SPECint_base2000 = 358

SPEC license #: 3 | Tested by: HP Fort Collins | Test date: Sep-2001 | Hardware Avail: Jun-2001 | Software Avail: Sep-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	435	322	424	330
175.vpr	1400	372	376	371	378
176.gcc	1100	270	407	269	409
181.mcf	1800	448	402	448	402
186.crafty	1000	281	356	252	398
197.parser	1800	609	296	593	303
252.eon	1300	351	370	351	370
253.perlbmk	1800	562	320	531	339
254.gap	1100	429	256	419	262
255.vortex	1900	414	459	414	459
256.bzip2	1500	448	334	447	335
300.twolf	3000	668	449	668	449



Hardware

CPU:	Intel Itanium
CPU MHz:	800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	2
Parallel:	No
Primary Cache:	16KBI + 16KBD (on die)
Secondary Cache:	96KB (on die)
L3 Cache:	4MB (off die, on CPU package)
Other Cache:	None
Memory:	8GB (16x512MB DIMMs)
Disk Subsystem:	1x36 GB SCSI
Other Hardware:	None

Software

Operating System:	HP-UX 11.20
Compiler:	HP C/ANSI B.11.20 HP aC++ Compiler C.05.32 PHSS_24461 - LIBCL general patch PHSS_24463 - Aries cumulative patch PHSS_24464 - Assembler cumulative patch PHSS_24465 - SIN cumulative library Patch PHSS_24466 - SIN product patch PHSS_24467 - u2comp product patch PHSS_24468 - libm cumulative patch PHSS_24469 - aCC library patch PHSS_24470 - aCC product patch PHSS_24471 - C dev cumulative patch PHSS_24472 - C-TOOLS cumulative patch PHSS_24513 - linker cumulative patch PHSS_24648 - unwind cumulative patch
File System:	VxFS
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags:
175.vpr     : -DSPEC_CPU2000
176.gcc     : -DHOST_WORDS_BIG_ENDIAN
181.mcf     : -DWANT_STDC_PROTO
186.crafty  : -DHP -DSPEC_CPU2000
197.parser  : -DSPEC_CPU2000
252.eon     : -I. -DFMAX_IS_DOUBLE -DNDEBUG srcalt=stdcpp
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
300.twolf   : -DSPEC_CPU2000


Base Flags:
  C         : +I/+P +Ofaster -exec -Wl,-aarchive_shared
  C++       : +I/+P +Ofaster +inline_level 2

Peak Flags:
```

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Notes/Tuning Information (Continued)

```
    C         : +I/+P +Ofaster -exec -Wl,-aarchive_shared
                (base flags) plus additional peak flags listed below

  164.gzip    : +Onorecovery +Onoptrs_to_globals
                -Bprotected_data +Oinlinebudget=50
  175.vpr     : +Onorecovery +Onoptrs_to_globals -Bprotected
  176.gcc     : +Onoptrs_to_globals
                -Bprotected_def +Oinlinebudget=50
                LIBS = /opt/langtools/lib/hpux32/fastmem.o
  181.mcf     : basepeak=true
  186.crafty  : +Onorecovery +Onoptrs_to_globals -Bprotected
                +Oinlinebudget=50
  197.parser  : +Onorecovery +Onoptrs_to_globals  -Bprotected
  252.eon     : basepeak=true
  253.perlbmk : +Onoptrs_to_globals -Bprotected_def
                LIBS = /opt/langtools/lib/hpux32/fastmem.o
  254.gap     : +Onoptrs_to_globals -Bprotected_data
                +Oinlinebudget=50
  255.vortex  : basepeak=true
  256.bzip2   : +Onorecovery +Onoptrs_to_globals -Bprotected_data
  300.twolf   : basepeak=true


  Kernel Tunables:
  maxdsiz           0x100000000
  maxdsiz_64bit   0x04000000000
  maxssiz            0X10000000
  maxssiz_64bit      0x40000000
  vps_ceiling             16384
  vps_pagesize             2048
  swapmem_on                  0
  dbc_max_pct                20
  dbc_min_pct                20
  One cpu physically removed
```