CINT2000 Result

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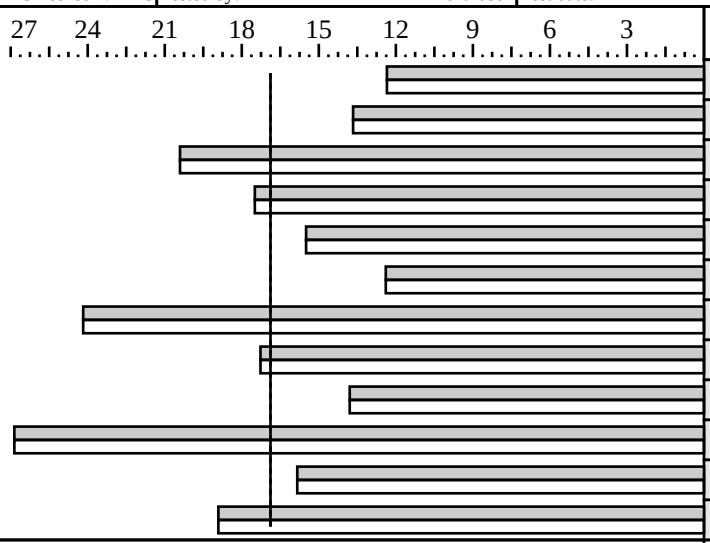
Hewlett-Packard Company

HP Integrity BL60p (1.6GHz/3MB Itanium 2)

SPECint_rate2000 = 16.9

SPECint_rate_base2000 = 16.9

SPEC license #: 3 | Tested by: HP Richardson | Test date: Oct-2005 | Hardware Avail: Jan-2006 | Software Avail: Dec-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	132	12.3	1	132	12.3
175.vpr	1	119	13.7	1	119	13.7
176.gcc	1	62.5	20.4	1	62.5	20.4
181.mcf	1	119	17.5	1	119	17.5
186.crafty	1	74.9	15.5	1	74.9	15.5
197.parser	1	168	12.4	1	168	12.4
252.eon	1	62.4	24.2	1	62.4	24.2
253.perlbmk	1	121	17.3	1	121	17.3
254.gap	1	92.5	13.8	1	92.5	13.8
255.vortex	1	82.1	26.9	1	82.1	26.9
256.bzip2	1	110	15.8	1	110	15.8
300.twolf	1	184	18.9	1	184	18.9

Hardware

CPU:	Intel Itanium 2 (1.6GHz/3MB, 400MHz FSB)
CPU MHz:	1600
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 core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	3.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	8GB (4x2GB DIMMs)
Disk Subsystem:	1x73GB 15K SCSI
Other Hardware:	N/A

Software

Operating System:	HP-UX 11i v2, TCOE (version 11.23.0512)
Compiler:	HP C/ANSI C Compiler A.06.05 HP aC++ Compiler A.06.05
File System:	vxfs
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags
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

Base Flags
  all       : +Oprofile=collect:all/+Oprofile=use
  C         : +Ofaster -exec +Otype_safety=ansi
  C++       : +Ofaster +Otype_safety=ansi

Peak Flags
  same as base (basepeak=true set globally)

Kernel Tunables:
  dbc_max_pct=20
  dbc_min_pct=20
  maxdsiz=3221225472
```

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Notes/Tuning Information (Continued)

```
    maxssiz=401604608
    maxdsiz_64bit=4396972761584
    maxssiz_64bit=1073741824
    vps_pagesize=4096
    vps_ceiling=16384

  Notes:

    The system had the HP-UX 11i v2, Technical Computing Operating
    Environment (TCOE), December, 2005 installed, along with the
    AR0509 compilers and the following patches:

    PHSS_33350 aC++ Runtime A.06.05
    PHSS_33351 Math Library Cumulative Patch
    PHSS_33352 Integrity Unwind Library
    PHSS_33357 milli cumulative patch

    EFI command "cpuconfig" used prior to booting to
    deconfigure processors if necessary
```