CINT2000 Result

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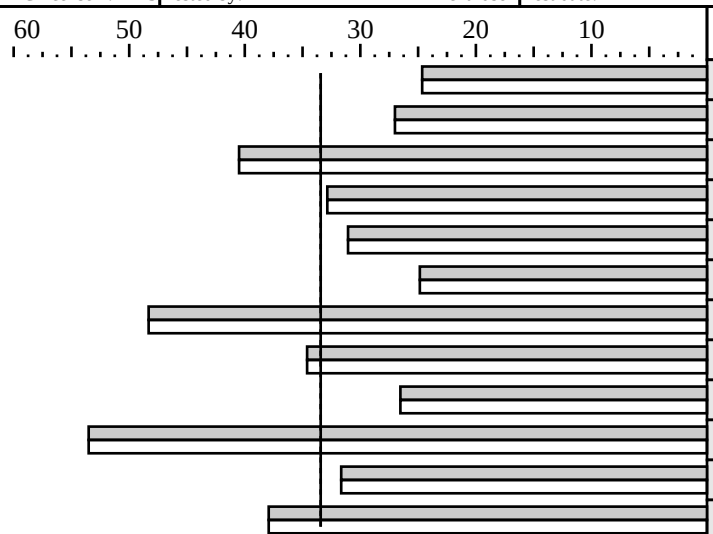
Hewlett-Packard Company

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

SPECint_rate2000 = 33.4

SPECint_rate_base2000 = 33.4

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	2	132	24.6	2	132	24.6
175.vpr	2	120	27.0	2	120	27.0
176.gcc	2	63.0	40.5	2	63.0	40.5
181.mcf	2	127	32.9	2	127	32.9
186.crafty	2	74.7	31.1	2	74.7	31.1
197.parser	2	168	24.9	2	168	24.9
252.eon	2	62.4	48.3	2	62.4	48.3
253.perlbmk	2	121	34.6	2	121	34.6
254.gap	2	96.2	26.5	2	96.2	26.5
255.vortex	2	82.4	53.5	2	82.4	53.5
256.bzip2	2	110	31.7	2	110	31.7
300.twolf	2	184	37.9	2	184	37.9

Hardware

CPU:	Intel Itanium 2 (1.6GHz/3MB, 400MHz FSB)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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
```