CINT2000 Result

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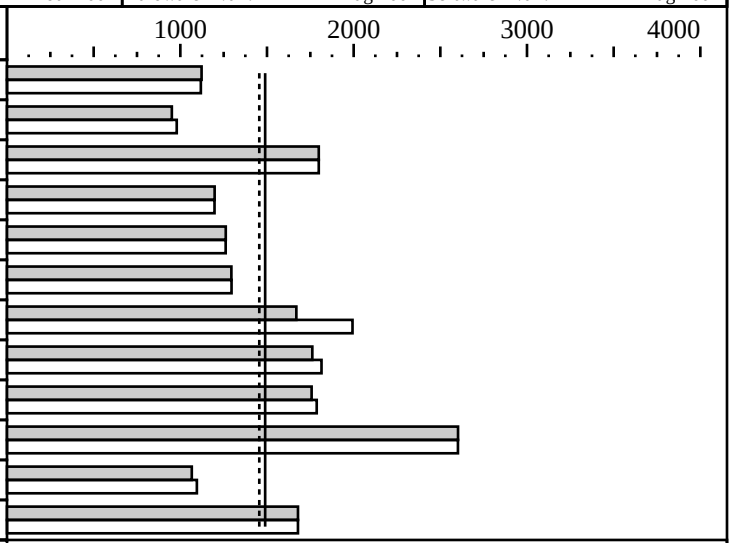
Hewlett-Packard Company
ProLiant ML370 G4 (3.4GHz, Intel Xeon)

SPECint2000 = 1489

SPECint_base2000 = 1456

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jul-2004 | Hardware Avail: Aug-2004 | Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	125	1123	125	1118
175.vpr	1400	147	951	143	979
176.gcc	1100	61.2	1799	61.2	1799
181.mcf	1800	150	1198	150	1197
186.crafty	1000	79.2	1262	79.3	1262
197.parser	1800	139	1295	139	1295
252.eon	1300	77.9	1669	65.2	1993
253.perlbmk	1800	102	1761	99.2	1814
254.gap	1100	62.6	1757	61.6	1787
255.vortex	1900	73.0	2602	73.0	2602
256.bzip2	1500	141	1066	137	1095
300.twolf	3000	179	1679	179	1679



Hardware

CPU:	Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
Parallel:	--
Primary Cache:	16K micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x512MB DDR2-400
Disk Subsystem:	1x18.2GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.0 Build 20031211Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
+FDO*: FDO (-QxP not used in PASS1 to enable cross-compilation)
Base tuning for C programs:   -QxP -fast +FDO*  shlw32M.lib
Base tuning for C++ programs: -QxP -fast -GX -GR
Portability flags:
  176.gcc: -Dalloca=_alloca /F10000000
  186.crafy: -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
  164.gzip:     -QxP -fast -Oa           +FDO
  175.vpr:      -QxP -fast               +FDO
  176.gcc:      basepeak = 1
  181.mcf:      -QxP -fast               +FDO  shlw32M.lib
  186.crafty:   -QxP -fast -Oa           +FDO  shlw32M.lib
  197.parser:   -QxP -fast               +FDO
  252.eon:      -QxP       -O2 -Qipo     +FDO*
  253.perlbmk:       -fast -Oa           +FDO  shlw32M.lib
  254.gap:      -QxP -fast               +FDO
  255.vortex:   -QxP -fast               +FDO  shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
  256.bzip2:          -fast -Oa -Qunroll1 +FDO
  300.twolf:    -QxP -fast -O3            +FDO  shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
  HT Technology disabled
```