CFP2000 Result

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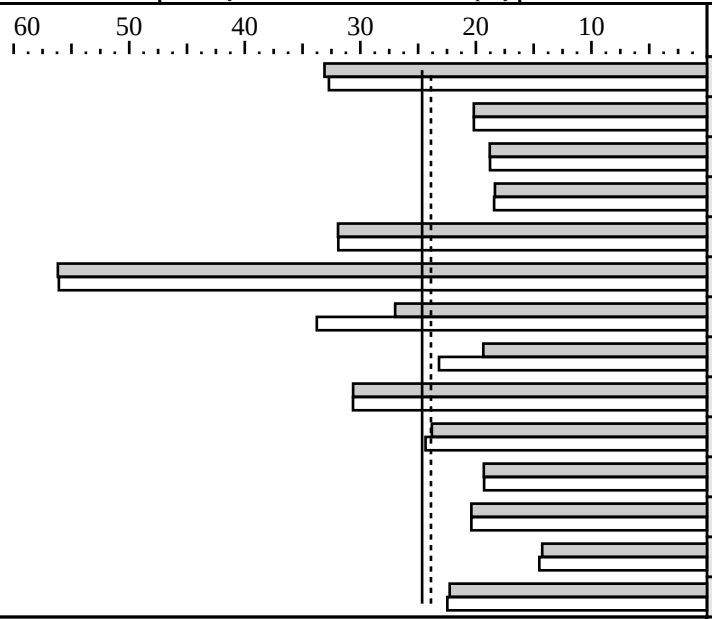
Hewlett-Packard Company

ProLiant BL30p (3.2GHz/2MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 24.7

SPECfp_rate_base2000 = 23.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	112	33.1	2	113	32.7
171.swim	2	356	20.2	2	356	20.2
172.mgrid	2	222	18.8	2	222	18.8
173.applu	2	265	18.4	2	264	18.4
177.mesa	2	102	31.9	2	102	31.9
178.galgel	2	120	56.2	2	120	56.1
179.art	2	224	27.0	2	179	33.8
183.equake	2	156	19.4	2	130	23.2
187.facerec	2	144	30.6	2	144	30.6
188.ammp	2	214	23.8	2	210	24.4
189.lucas	2	240	19.3	2	241	19.3
191.fma3d	2	239	20.4	2	239	20.4
200.sixtrack	2	179	14.3	2	176	14.5
301.apsi	2	271	22.3	2	268	22.5

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	2x60GB ATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z Intel Fortran Compiler 8.1 build 20041019Z 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
Base tuning for all programs: -Qipo -QxN -O3 +FDO ONESTEP=yes
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:    -Qipo -QxN                              +FDO ONESTEP=yes
  171.swim:       -Qipo -QxN  -O3                         +FDO ONESTEP=yes
  172.mgrid:      -Qipo -QaxN -O3                         +FDO ONESTEP=yes
  173.applu:      -Qipo -QxN  -O3 -Qscalar_rep- -Qauto +FDO ONESTEP=yes
  177.mesa:       -Qipo -QxN  -O3                         +FDO ONESTEP=yes
  178.galgel:     -Qipo -QxN  -O3                         +FDO ONESTEP=yes
  179.art:        -Qipo -Oa -Qunroll4 -Zp4                     ONESTEP=yes
  183.equake:     -Qipo -QxN  -Oa -Qrcd                   +FDO ONESTEP=yes shlw32M.lib
  187.facerec:    -Qipo -QaxN -O3 -Qunroll1 -Qscalar_rep-  +FDO ONESTEP=yes
  188.ammp:             -QxN  -Oa                          ONESTEP=yes
  189.lucas:      -Qipo -QaxN
  191.fma3d:      basepeak=1
```

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Notes/Tuning Information (Continued)

```
    200.sixtrack:   -Qipo -QxN                          +FDO ONESTEP=yes
    301.apsi:       -Qipo -QxN  -O3                     +FDO ONESTEP=yes
  BIOS Configuration Notes
    Hyper Threading disabled
```