



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.quake	2	156	19.4	2	130	23.2
187.facerec	2	144	30.6	2	144	30.6
188.amp	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 -Qunroll14 -Zp4 ONESTEP=yes
183.quake: -Qipo -QxN -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: -Qipo -QaxN -O3 -Qunroll11 -Qscalar_rep- +FDO ONESTEP=yes
188.amp: -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
```