



CFP2000 Result

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Hewlett-Packard Company
ProLiant BL30p (3.2GHz/2MB L3 cache, Intel Xeon)

SPECfp2000 = **1357**
SPECfp_base2000 = **1348**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	96.8	1653	97.9	1634	
171.swim	3100	187	1656	187	1659	
172.mgrid	1800	145	1239	145	1240	
173.applu	2100	187	1126	186	1127	
177.mesa	1400	101	1393	100	1393	
178.galgel	2900	104	2778	104	2779	
179.art	2600	133	1960	125	2072	
183.earthquake	1300	104	1255	103	1263	
187.facerec	1900	124	1528	124	1535	
188.ammmp	2200	199	1104	194	1134	
189.lucas	2000	142	1406	144	1394	
191.fma3d	2100	185	1136	185	1136	
200.sixtrack	1100	178	617	176	626	
301.apsi	2600	240	1082	240	1083	

Hardware

CPU: Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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.earthquake:  -Qipo -QxN -Oa -Qrcd        +FDO ONESTEP=yes shlw32M.lib
187.facerec:     -Qipo -QaxN -O3 -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
188.ammmp:        -Qipo -QxN -Oa          ONESTEP=yes
189.lucas:        -Qipo -QaxN
191.fma3d:        basepeak=1
```



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SPECfp2000 = 1357
SPECfp_base2000 = 1348

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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