



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL360 G5 (3.0GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = 31.9
SPECfp_rate_base2000 = 31.7

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jun-2006 Hardware Avail: Jun-2006 Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	42.1	44.1	1	42.1	44.1
171.swim	1	109	32.9	1	109	32.9
172.mgrid	1	99.7	21.0	1	99.6	21.0
173.applu	1	99.2	24.6	1	99.2	24.6
177.mesa	1	49.6	32.7	1	49.2	33.0
178.galgel	1	40.4	83.3	1	40.4	83.3
179.art	1	24.7	122	1	24.7	122
183.quake	1	40.4	37.3	1	40.4	37.3
187.facerec	1	70.9	31.1	1	71.0	31.0
188.amp	1	108	23.6	1	101	25.3
189.lucas	1	96.3	24.1	1	95.8	24.2
191.fma3d	1	102	23.9	1	102	23.9
200.sixtrack	1	91.6	13.9	1	91.6	13.9
301.apsi	1	160	18.8	1	160	18.8

Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KBI + 32KBD (on chip) per core
Secondary Cache: 4096KB(I+D) (on chip) shared
L3 Cache: N/A
Other Cache: N/A
Memory: 8x1024MB PC2-5300F
Disk Subsystem: 1x36GB 10K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
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 Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs: -fast +FDO shlw32M.lib
Portability flags:
 178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -fast -Qansi_alias +FDO
171.swim: -fast +FDO ONESTEP=yes
172.mgrid: -fast -Qansi_alias +FDO
173.applu: basepeak=1
177.mesa: -fast +FDO ONESTEP=yes
178.galgel: basepeak=1
179.art: basepeak=1
183.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
188.amp: -fast -Qansi_alias +FDO
189.lucas: -fast
```



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Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=1
200.sixtrack: -fast                +FDO
301.apsi:     basepeak=1
BIOS Configuration Notes
Power Regulator set to Static High Performance Mode
```