



CFP2000 Result

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

SPECfp_rate2000 = 82.0
SPECfp_rate_base2000 = 81.0

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	4	68.2	109	4	68.3	109
171.swim	4	263	54.6	4	263	54.6
172.mgrid	4	166	50.4	4	165	50.5
173.applu	4	184	53.1	4	184	53.1
177.mesa	4	50.4	129	4	51.2	127
178.galgel	4	57.9	232	4	57.9	232
179.art	4	59.4	203	4	59.4	203
183.quake	4	85.0	70.9	4	84.8	71.1
187.facerec	4	91.7	96.2	4	91.2	96.7
188.amp	4	141	72.2	4	117	86.9
189.lucas	4	183	50.6	4	183	50.8
191.fma3d	4	157	62.0	4	157	62.0
200.sixtrack	4	94.3	54.1	4	94.3	54.1
301.apsi	4	187	64.5	4	187	64.5

Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 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
```