



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL380 G5 (3.0GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = 46.1
SPECfp_rate_base2000 = 45.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	56.0	66.3	2	55.6	66.8
171.swim	2	223	32.3	2	222	32.4
172.mgrid	2	162	25.7	2	162	25.7
173.applu	2	148	32.9	2	148	32.9
177.mesa	2	49.8	65.2	2	49.6	65.5
178.galgel	2	53.3	126	2	53.3	126
179.art	2	52.3	115	2	52.3	115
183.quake	2	64.9	46.5	2	65.0	46.4
187.facerec	2	86.5	51.0	2	83.8	52.6
188.amp	2	143	35.7	2	117	43.5
189.lucas	2	144	32.3	2	143	32.4
191.fma3d	2	140	34.8	2	140	34.8
200.sixtrack	2	93.5	27.3	2	93.6	27.3
301.apsi	2	176	34.2	2	176	34.2

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: 32KB (I) + 32KB (D) (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 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
```