



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL140 G3 (3.0 GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = 44.9
SPECfp_rate_base2000 = 44.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	59.5	62.3	2	59.5	62.4
171.swim	2	235	30.7	2	235	30.6
172.mgrid	2	168	24.9	2	167	25.0
173.applu	2	155	31.5	2	155	31.5
177.mesa	2	50.6	64.2	2	50.6	64.2
178.galgel	2	54.3	124	2	54.3	124
179.art	2	47.0	128	2	47.0	128
183.quake	2	77.9	38.7	2	77.9	38.7
187.facerec	2	76.7	57.5	2	77.2	57.1
188.amp	2	139	36.6	2	122	41.8
189.lucas	2	135	34.4	2	135	34.3
191.fma3d	2	153	31.9	2	153	31.9
200.sixtrack	2	93.5	27.3	2	93.5	27.3
301.apsi	2	189	32.0	2	189	32.0

Hardware

CPU: Intel Xeon processor 5160 (1333 MHz system 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: 32 KB I + 32 KB D on chip per core
Secondary Cache: 4 MB I+D on chip per chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8 GB (8 x 1 GB PC2-5300F)
Disk Subsystem: 2 x 36 GB 15 K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (version 9.1 Build 20060816Z)
Intel Fortran Compiler for 32-bit applications, (version 9.1 build 20060816Z)
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smartheap Library 8.0
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