



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL140 G3 (3.73 GHz, Intel Xeon processor 5080)

SPECfp_rate2000 = **64.6**
SPECfp_rate_base2000 = **64.4**

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	4	74.3	99.9	4	74.2	100
171.swim	4	286	50.2	4	287	50.1
172.mgrid	4	187	44.7	4	186	44.8
173.applu	4	194	50.2	4	194	50.2
177.mesa	4	90.9	71.5	4	90.9	71.5
178.galgel	4	86.1	156	4	86.1	156
179.art	4	72.1	167	4	72.1	167
183.quake	4	96.0	62.8	4	96.0	62.8
187.facerec	4	119	74.4	4	119	74.0
188.amp	4	203	50.4	4	194	52.6
189.lucas	4	186	49.9	4	187	49.7
191.fma3d	4	203	48.1	4	203	48.1
200.sixtrack	4	151	33.8	4	151	33.8
301.apsi	4	228	53.0	4	228	53.0

Hardware

CPU: Intel Xeon processor 5080 (3.73GHz, 2x2MB L2, 1066 MHz system bus)
CPU MHz: 3730
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 12 K micro-ops I + 16 KB D on chip per core
Secondary Cache: 2 MB I+D on chip per core
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 Smarheap 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
BIOS Configuration Notes
Hyper-Threading Technology disabled