



CFP2000 Result

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

SPECfp_rate2000 = 34.8
SPECfp_rate_base2000 = 34.6

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	66.3	56.0	2	66.8	55.6
171.swim	2	254	28.3	2	254	28.3
172.mgrid	2	167	24.9	2	167	24.9
173.applu	2	172	28.3	2	172	28.3
177.mesa	2	91.5	35.5	2	90.8	35.8
178.galgel	2	83.5	80.6	2	83.5	80.6
179.art	2	64.5	93.5	2	64.5	93.5
183.quake	2	83.7	36.0	2	83.8	36.0
187.facerec	2	116	38.1	2	112	39.3
188.amp	2	198	25.8	2	190	26.9
189.lucas	2	164	28.3	2	164	28.3
191.fma3d	2	191	25.5	2	191	25.5
200.sixtrack	2	150	17.0	2	150	17.0
301.apsi	2	220	27.5	2	220	27.5

Hardware

CPU: Intel Xeon processor 5080 (3.73GHz, 2x2MB L2, 1066 MHz system bus)
CPU MHz: 3730
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 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 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
BIOS Configuration Notes
Hyper-Threading Technology disabled