



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL580 G4 (3.0GHz, Intel Xeon processor 7041)

SPECfp2000 = **1522**
SPECfp_base2000 = **1516**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	58.3	2745	58.4	2742	[Bar chart showing ratio 2742]			
171.swim	3100	154	2015	154	2015	[Bar chart showing ratio 2015]			
172.mgrid	1800	143	1262	142	1263	[Bar chart showing ratio 1263]			
173.applu	2100	150	1399	150	1399	[Bar chart showing ratio 1399]			
177.mesa	1400	110	1274	109	1280	[Bar chart showing ratio 1280]			
178.galgel	2900	98.1	2955	98.1	2955	[Bar chart showing ratio 2955]			
179.art	2600	77.1	3373	77.1	3373	[Bar chart showing ratio 3373]			
183.quake	1300	58.0	2243	58.0	2243	[Bar chart showing ratio 2243]			
187.facerec	1900	151	1255	152	1254	[Bar chart showing ratio 1254]			
188.amp	2200	243	904	231	952	[Bar chart showing ratio 952]			
189.lucas	2000	147	1364	146	1367	[Bar chart showing ratio 1367]			
191.fma3d	2100	168	1252	168	1252	[Bar chart showing ratio 1252]			
200.sixtrack	1100	188	587	188	586	[Bar chart showing ratio 586]			
301.apsi	2600	244	1068	244	1068	[Bar chart showing ratio 1068]			

Hardware

CPU: Intel Xeon processor 7041 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 8x2048MB PC2-3200 dual-rank
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 Smarheap 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



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Notes/Tuning Information (Continued)

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189.lucas: -fast
191.fma3d: basepeak=1
200.sixtrack: -fast +FDO
301.apsi: basepeak=1
BIOS Configuration Notes
Hyper-Threading Technology disabled
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```