



CFP2000 Result

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

SPECfp_rate2000 = 17.7
SPECfp_rate_base2000 = 17.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	58.3	31.8	1	58.4	31.8
171.swim	1	154	23.4	1	154	23.4
172.mgrid	1	143	14.6	1	142	14.7
173.applu	1	150	16.2	1	150	16.2
177.mesa	1	110	14.8	1	109	14.9
178.galgel	1	98.1	34.3	1	98.1	34.3
179.art	1	77.1	39.1	1	77.1	39.1
183.quake	1	58.0	26.0	1	58.0	26.0
187.facerec	1	151	14.6	1	152	14.5
188.amp	1	243	10.5	1	231	11.0
189.lucas	1	147	15.8	1	146	15.9
191.fma3d	1	168	14.5	1	168	14.5
200.sixtrack	1	188	6.80	1	188	6.80
301.apsi	1	244	12.4	1	244	12.4

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 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



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Notes/Tuning Information (Continued)

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