



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL380 G4 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 17.6
SPECfp_rate_base2000 = 17.3

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jul-2004 Hardware Avail: Aug-2004 Software Avail: Aug-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	67.8	27.4	1	67.9	27.4
171.swim	1	142	25.2	1	143	25.2
172.mgrid	1	132	15.8	1	132	15.8
173.applu	1	149	16.3	1	145	16.8
177.mesa	1	88.7	18.3	1	89.0	18.3
178.galgel	1	124	27.2	1	124	27.2
179.art	1	215	14.0	1	221	13.7
183.quake	1	75.3	20.0	1	62.9	24.0
187.facerec	1	104	21.1	1	105	21.0
188.amp	1	220	11.6	1	220	11.6
189.lucas	1	103	22.6	1	102	22.7
191.fma3d	1	145	16.8	1	145	16.8
200.sixtrack	1	170	7.49	1	171	7.48
301.apsi	1	236	12.8	1	236	12.8

Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
 CPU MHz: 3600
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 16K micro-ops I + 16KBD on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4x512MB DDR2-400
 Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
 Compiler: Intel C++ Compiler 8.0 Build 20031211Z
 Intel Fortran Compiler 8.0 build 20040125Z
 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
 +FDO*: FDO (-QxP not used in PASS1 to enable cross-compilation)

Base tuning: -QxP -fast -Qansi_alias +FDO*

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -QxP -fast -Qansi_alias +FDO*
 171.swim: -QxP -fast -f77rtl +FDO ONESTEP=yes
 172.mgrid: -QxP -fast -Qansi_alias +FDO*
 173.applu: -QxP -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes
 177.mesa: -QxP -fast +FDO ONESTEP=yes
 178.galgel: -QxP -fast +FDO ONESTEP=yes
 179.art: -fast -Oa -Qunroll4 -Zp4 ONESTEP=yes
 183.quake: -QxP -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
 187.facerec: -QaxN -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
 188.amp: basepeak=1



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Notes/Tuning Information (Continued)

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189.lucas:      -QaxN-fast <typo, included for completeness>
191.fma3d:      basepeak=1
200.sixtrack:   -QxP -fast +FDO*
301.apsi:       -QxP -fast -f77rtl +FDO ONESTEP=yes
BIOS Configuration Notes
HT Technology disabled
```