



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL360 G4 (3.4GHz, Intel Xeon)

SPECfp_rate2000 = 15.7
SPECfp_rate_base2000 = 15.4

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	79.4	23.4	1	79.4	23.4
171.swim	1	169	21.3	1	169	21.3
172.mgrid	1	151	13.9	1	151	13.9
173.applu	1	177	13.8	1	171	14.3
177.mesa	1	94.9	17.1	1	94.9	17.1
178.galgel	1	141	23.9	1	141	23.9
179.art	1	229	13.2	1	227	13.3
183.equake	1	90.7	16.6	1	74.4	20.3
187.facerec	1	119	18.5	1	119	18.5
188.amp	1	259	9.87	1	259	9.87
189.lucas	1	114	20.3	1	114	20.4
191.fma3d	1	159	15.3	1	159	15.3
200.sixtrack	1	182	7.01	1	182	7.01
301.apsi	1	245	12.3	1	245	12.3

Hardware

CPU: Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
CPU MHz: 3400
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: 2x1024MB PC2700 DDR-333
Disk Subsystem: 1x250GB SATA
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 for All Programs: -QxP -fast -Qansi_alias +FDO*

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -QxP -fast -Qansi_alias +FDO*
171.swim: -QxP -fast -Qansi_alias +FDO ONESTEP=yes
172.mgrid: -QxP -fast -Qansi_alias +FDO*
173.applu: -QxP -fast -Qscalar_rep- -Qauto -Qansi_alias +FDO
177.mesa: -QxP -fast +FDO* ONESTEP=yes
178.galgel: -QxP -fast -Qansi_alias +FDO* ONESTEP=yes
179.art: -Oa -Qipo -Qunroll4 -Zp4
183.equake: -QxP -fast -Oa -Qrcd +FDO* ONESTEP=yes shlw32M.lib
187.facerec: -QaxP -fast -Qunroll11 -Qscalar_rep- -fpp +FDO ONESTEP=yes
188.amp: basepeak=1



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Notes/Tuning Information (Continued)

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189.lucas:      -QxP -fast -Qprefetch-      +FDO*
191.fma3d:      basepeak=1
200.sixtrack:   -QxP -fast                  +FDO*
301.apsi:       -QxP -fast                  +FDO*
BIOS Configuration Notes
HT Technology disabled
```