



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL360 G4p (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 21.2
SPECfp_rate_base2000 = 20.9

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Mar-2005 Hardware Avail: Mar-2005 Software Avail: Feb-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	61.6	30.1	1	61.6	30.1
171.swim	1	134	26.9	1	134	26.9
172.mgrid	1	117	17.8	1	117	17.8
173.applu	1	139	17.5	1	140	17.4
177.mesa	1	88.7	18.3	1	88.7	18.3
178.galgel	1	86.6	38.9	1	86.5	38.9
179.art	1	63.1	47.8	1	63.1	47.8
183.quake	1	65.8	22.9	1	54.3	27.7
187.facerec	1	102	21.6	1	102	21.6
188.amp	1	174	14.7	1	174	14.7
189.lucas	1	95.7	24.3	1	95.0	24.4
191.fma3d	1	141	17.2	1	141	17.2
200.sixtrack	1	169	7.53	1	169	7.53
301.apsi	1	197	15.3	1	197	15.3

Hardware

CPU: Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
 CPU MHz: 3600
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K micro-ops I + 16KBD on chip
 Secondary Cache: 2048KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4x2048MB PC2-3200 CL3 Dual-Rank DIMMs
 Disk Subsystem: 1x36.4GB 10K U320
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
 Compiler: Intel C++ Compiler 8.1 Build 20040802Z
 Intel Fortran Compiler 8.1 build 20040802Z
 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 Base tuning: -fast -Qansi_alias +FDO

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

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



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Notes/Tuning Information (Continued)

```
191.fma3d:      basepeak=1
200.sixtrack:   -fast                +FDO
301.apsi:       -fast                -f77rtl +FDO ONESTEP=yes
BIOS Configuration Notes
Hyper-Threading Technology disabled
```