



CFP2000 Result

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Hewlett-Packard Company
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECfp_rate2000 = 17.8
SPECfp_rate_base2000 = 17.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	67.3	27.6	1	67.4	27.6
171.swim	1	150	24.0	1	150	24.0
172.mgrid	1	130	16.0	1	130	16.0
173.applu	1	151	16.1	1	152	16.1
177.mesa	1	92.5	17.6	1	92.5	17.5
178.galgel	1	135	24.9	1	135	24.9
179.art	1	110	27.4	1	108	28.0
183.quake	1	79.3	19.0	1	62.9	24.0
187.facerec	1	114	19.3	1	114	19.3
188.amp	1	244	10.4	1	244	10.4
189.lucas	1	106	21.9	1	105	22.1
191.fma3d	1	156	15.7	1	156	15.7
200.sixtrack	1	181	7.04	1	181	7.04
301.apsi	1	236	12.8	1	237	12.7

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: 12K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB PC2700 CL2.5
Disk Subsystem: 1x72.8GB 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
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: -fast -Oa -Qunroll4 -Zp4 ONESTEP=yes
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
HT Technology disabled
```