



CFP2000 Result

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Hewlett-Packard Company
ProLiant ML370 G4 (3.6GHz, Intel Xeon)

SPECfp2000 = 1744
SPECfp_base2000 = 1735

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	63.6	2517	63.6	2515	[Bar chart showing ratio 2515]			
171.swim	3100	141	2204	141	2199	[Bar chart showing ratio 2199]			
172.mgrid	1800	125	1436	126	1431	[Bar chart showing ratio 1431]			
173.applu	2100	147	1427	148	1424	[Bar chart showing ratio 1424]			
177.mesa	1400	89.7	1561	89.7	1561	[Bar chart showing ratio 1561]			
178.galgel	2900	88.8	3268	88.9	3262	[Bar chart showing ratio 3262]			
179.art	2600	68.5	3798	68.5	3798	[Bar chart showing ratio 3798]			
183.quake	1300	71.8	1810	59.5	2185	[Bar chart showing ratio 2185]			
187.facerec	1900	105	1801	118	1607	[Bar chart showing ratio 1607]			
188.amp	2200	177	1241	177	1241	[Bar chart showing ratio 1241]			
189.lucas	2000	97.7	2048	97.0	2063	[Bar chart showing ratio 2063]			
191.fma3d	2100	144	1459	144	1459	[Bar chart showing ratio 1459]			
200.sixtrack	1100	171	645	171	645	[Bar chart showing ratio 645]			
301.apsi	2600	199	1308	199	1308	[Bar chart showing ratio 1308]			

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: 8x512MB DDR2-400
Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
Compiler: Intel C++ Compiler 8.1 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: -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: basepeak=1

183.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib

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