



CFP2000 Result

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Hewlett-Packard Company
ProLiant ML370 G4 (2.8GHz, Dual-Core Intel Xeon)

SPECfp_rate2000 = 18.4
SPECfp_rate_base2000 = 18.2

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Feb-2006 Hardware Avail: Dec-2005 Software Avail: Jan-2006

					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio				
45	40	35	30	25	20	15	10	5	168.wupwise	1	71.3	26.0	1	71.1	26.1
									171.swim	1	137	26.3	1	136	26.4
									172.mgrid	1	145	14.4	1	144	14.5
									173.applu	1	154	15.8	1	159	15.3
									177.mesa	1	114	14.3	1	114	14.2
									178.galgel	1	98.7	34.1	1	98.8	34.1
									179.art	1	70.5	42.8	1	70.5	42.8
									183.quake	1	63.6	23.7	1	53.1	28.4
									187.facerec	1	117	18.8	1	117	18.8
									188.amp	1	211	12.1	1	211	12.1
									189.lucas	1	110	21.1	1	109	21.3
									191.fma3d	1	166	14.6	1	166	14.6
									200.sixtrack	1	199	6.42	1	199	6.42
									301.apsi	1	237	12.7	1	237	12.7

Hardware

CPU: Dual-Core Intel Xeon (2.8GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 8x512MB PC2-3200
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20060120Z)
Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20060120Z)
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-

+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                +FDO
301.apsi:     basepeak=1
BIOS Configuration Notes
Hyper-Threading Technology disabled
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```