



CFP2000 Result

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

SPECfp2000 = **1589**
SPECfp_base2000 = **1570**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	71.3	2244	71.1	2250	
171.swim	3100	137	2270	136	2279	
172.mgrid	1800	145	1245	144	1247	
173.applu	2100	154	1364	159	1323	
177.mesa	1400	114	1229	114	1224	
178.galgel	2900	98.7	2937	98.8	2936	
179.art	2600	70.5	3689	70.5	3689	
183.earthquake	1300	63.6	2045	53.1	2450	
187.facerec	1900	117	1623	117	1623	
188.ammpp	2200	211	1041	211	1041	
189.lucas	2000	110	1823	109	1834	
191.fma3d	2100	166	1262	166	1262	
200.sixtrack	1100	199	554	199	554	
301.apsi	2600	237	1095	237	1095	

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.earthquake: -fast -Oa -Qrcd

+FDO ONESTEP=yes shlw32M.lib

187.facerec: -fast -Qunroll1 -Qscalar_rep-

+FDO ONESTEP=yes

188.ammpp: 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.
```