



CFP2000 Result

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Hewlett-Packard Company

ProLiant ML110 G3 (3.0GHz, Intel Pentium D Processor 930)

SPECfp_rate2000 = 20.2

SPECfp_rate_base2000 = 19.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	64.7	28.7	1	64.8	28.7
171.swim	1	126	28.5	1	127	28.4
172.mgrid	1	132	15.8	1	131	15.9
173.applu	1	144	16.9	1	143	17.1
177.mesa	1	107	15.2	1	107	15.2
178.galgel	1	90.0	37.4	1	89.8	37.5
179.art	1	62.9	47.9	1	62.9	47.9
183.quake	1	57.6	26.2	1	48.5	31.1
187.facerec	1	104	21.2	1	104	21.2
188.amp	1	194	13.2	1	194	13.2
189.lucas	1	99.3	23.4	1	98.6	23.5
191.fma3d	1	152	16.1	1	152	16.1
200.sixtrack	1	183	6.96	1	183	6.97
301.apsi	1	221	13.6	1	221	13.6

Hardware

CPU: Intel Pentium D Processor 930 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip
CPU(s) orderable: 1
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: 4x512MB PC2-4200
Disk Subsystem: 1x80.0GB SATA
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20051020Z)
Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20051020Z)
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
189.lucas: -fast



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Notes/Tuning Information (Continued)

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191.fma3d:    basepeak=1
200.sixtrack: -fast          +FDO
301.apsi:     basepeak=1
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke the uniprocessor environment.
```