



CFP2000 Result

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Hewlett-Packard Company

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

SPECfp_rate2000 = 32.3

SPECfp_rate_base2000 = 31.6

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	2	74.6	49.8	2	74.6	49.8
171.swim	2	247	29.2	2	247	29.2
172.mgrid	2	159	26.3	2	159	26.2
173.applu	2	193	25.3	2	189	25.8
177.mesa	2	107	30.4	2	107	30.4
178.galgel	2	99.8	67.4	2	99.9	67.4
179.art	2	87.6	68.9	2	87.6	68.9
183.quake	2	103	29.4	2	76.0	39.7
187.facerec	2	116	38.0	2	116	37.9
188.amp	2	209	24.5	2	209	24.5
189.lucas	2	163	28.4	2	165	28.1
191.fma3d	2	188	25.9	2	188	25.9
200.sixtrack	2	183	13.9	2	184	13.9
301.apsi	2	233	25.9	2	233	25.9

Hardware

CPU: Intel Pentium D Processor 930 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 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)

191.fma3d: basepeak=1
200.sixtrack: -fast +FDO
301.apsi: basepeak=1