



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL380 G4 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 27.5
SPECfp_rate_base2000 = 27.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	81.8	45.4	2	81.8	45.4
171.swim	2	358	20.1	2	358	20.1
172.mgrid	2	223	18.7	2	223	18.7
173.applu	2	267	18.3	2	263	18.5
177.mesa	2	89.3	36.4	2	89.4	36.3
178.galgel	2	106	63.3	2	107	63.2
179.art	2	104	58.0	2	104	58.0
183.quake	2	137	22.0	2	102	29.5
187.facerec	2	132	33.5	2	140	31.4
188.amp	2	190	26.9	2	190	26.9
189.lucas	2	246	18.9	2	246	18.9
191.fma3d	2	224	21.8	2	224	21.8
200.sixtrack	2	170	15.0	2	170	15.0
301.apsi	2	273	22.1	2	274	22.0

Hardware

CPU: Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 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: 4x1024MB PC2-3200
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
```