



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL580 G4 (3.0GHz, Intel Xeon processor 7041)

SPECfp_rate2000 = 28.5
SPECfp_rate_base2000 = 28.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	75.5	49.2	2	75.6	49.1
171.swim	2	283	25.4	2	283	25.4
172.mgrid	2	182	22.9	2	182	22.9
173.applu	2	217	22.4	2	217	22.4
177.mesa	2	110	29.5	2	110	29.7
178.galgel	2	108	62.0	2	108	62.0
179.art	2	103	58.6	2	103	58.6
183.quake	2	90.9	33.2	2	90.8	33.2
187.facerec	2	159	27.7	2	159	27.7
188.amp	2	251	20.3	2	239	21.4
189.lucas	2	196	23.7	2	196	23.7
191.fma3d	2	218	22.3	2	218	22.3
200.sixtrack	2	188	13.6	2	187	13.6
301.apsi	2	255	23.7	2	255	23.7

Hardware

CPU: Intel Xeon processor 7041 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
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: 8x2048MB PC2-3200 dual-rank
Disk Subsystem: 1x36GB SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
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 for Fortran programs: -fast -Qansi_alias +FDO

Base tuning for C programs: -fast +FDO shlw32M.lib

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -fast -Qansi_alias +FDO

171.swim: -fast +FDO ONESTEP=yes

172.mgrid: -fast -Qansi_alias +FDO

173.applu: basepeak=1

177.mesa: -fast +FDO ONESTEP=yes

178.galgel: basepeak=1

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: -fast -Qansi_alias +FDO



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Notes/Tuning Information (Continued)

189.lucas: -fast
191.fma3d: basepeak=1
200.sixtrack: -fast +FDO
301.apsi: basepeak=1
BIOS Configuration Notes
Hyper-Threading Technology disabled