



CFP2000 Result

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Hewlett-Packard Company

ProLiant DL580 G3 (3.0GHz, Dual-Core Intel(R) Xeon(R) processor)

SPECfp_rate2000 = 24.5

SPECfp_rate_base2000 = 24.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	100.0	37.1	2	100	37.0
171.swim	2	342	21.0	2	342	21.0
172.mgrid	2	215	19.4	2	215	19.4
173.applu	2	259	18.8	2	255	19.1
177.mesa	2	115	28.2	2	115	28.2
178.galgel	2	115	58.5	2	115	58.6
179.art	2	137	44.1	2	137	44.1
183.quake	2	168	17.9	2	123	24.6
187.facerec	2	179	24.6	2	179	24.6
188.amp	2	261	19.6	2	261	19.6
189.lucas	2	236	19.7	2	239	19.4
191.fma3d	2	227	21.4	2	227	21.4
200.sixtrack	2	188	13.6	2	188	13.6
301.apsi	2	294	20.5	2	294	20.5

Hardware

CPU: Dual-Core Intel(R) Xeon(R) processor (3.0GHz, 2x2MB L2, 667MHz 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: 4x1024MB PC2-3200
 Disk Subsystem: 1x72.8GB 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 20050912Z)
 Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20050912Z)
 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

+FDO ONESTEP=yes

172.mgrid: -fast -Qansi_alias

+FDO

173.applu: -fast -Qscalar_rep- -Qauto

+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)

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