



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL580 G3 (3.333GHz, Intel Xeon)

SPECfp_rate2000 = 53.9
SPECfp_rate_base2000 = 52.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	190	78.2	8	190	78.1
171.swim	8	688	41.8	8	691	41.6
172.mgrid	8	434	38.5	8	434	38.5
173.applu	8	470	41.5	8	474	41.1
177.mesa	8	204	63.6	8	204	63.7
178.galgel	8	214	126	8	214	126
179.art	8	238	101	8	238	101
183.quake	8	328	36.8	8	240	50.3
187.facerec	8	311	56.7	8	310	56.9
188.amp	8	438	46.6	8	438	46.6
189.lucas	8	467	39.8	8	465	40.0
191.fma3d	8	468	41.7	8	468	41.7
200.sixtrack	8	280	36.4	8	282	36.2
301.apsi	8	465	51.9	8	465	51.9

Hardware

CPU: Intel Xeon MP (3.333GHz, 1MB L2, 8MB L3, 667MHz bus)
CPU MHz: 3333
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: 8192KB
Other Cache: N/A
Memory: 16x2048MB DDR2-400
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise (Build 3790)
Compiler: Intel C++ Compiler for 32-bit applications, Version 8.1 Build 20050524Z
Intel Fortran Compiler for 32-bit applications, Version 8.1 build 20050517Z
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smarheap 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)

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