



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL580 G3 (3.66GHz, Intel Xeon)

SPECfp_rate2000 = 23.1
SPECfp_rate_base2000 = 22.6

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 | 2 | 93.3 | 39.8 | 2 | 93.3 | 39.8 |
| 171.swim | 2 | 343 | 21.0 | 2 | 343 | 21.0 |
| 172.mgrid | 2 | 217 | 19.2 | 2 | 217 | 19.2 |
| 173.applu | 2 | 242 | 20.1 | 2 | 242 | 20.1 |
| 177.mesa | 2 | 92.4 | 35.1 | 2 | 93.3 | 34.8 |
| 178.galgel | 2 | 215 | 31.3 | 2 | 215 | 31.3 |
| 179.art | 2 | 224 | 26.9 | 2 | 224 | 26.9 |
| 183.quake | 2 | 174 | 17.3 | 2 | 129 | 23.3 |
| 187.facerec | 2 | 185 | 23.8 | 2 | 185 | 23.8 |
| 188.amp | 2 | 331 | 15.4 | 2 | 331 | 15.4 |
| 189.lucas | 2 | 236 | 19.7 | 2 | 235 | 19.7 |
| 191.fma3d | 2 | 233 | 20.9 | 2 | 233 | 20.9 |
| 200.sixtrack | 2 | 171 | 14.9 | 2 | 171 | 14.9 |
| 301.apsi | 2 | 241 | 25.0 | 2 | 241 | 25.0 |

Hardware

CPU: Intel Xeon MP (3.66GHz, 1MB L2, 667MHz bus)
 CPU MHz: 3666
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
 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: N/A
 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 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)

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