



CFP2000 Result

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Hewlett-Packard Company
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 32.8
SPECfp_rate_base2000 = 32.9

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 2 | 71.6 | 51.8 | 2 | 71.6 | 51.8 |
| 171.swim | 2 | 270 | 26.6 | 2 | 273 | 26.4 |
| 172.mgrid | 2 | 170 | 24.6 | 2 | 171 | 24.4 |
| 173.applu | 2 | 212 | 23.0 | 2 | 209 | 23.3 |
| 177.mesa | 2 | 90.2 | 36.0 | 2 | 89.7 | 36.2 |
| 178.galgel | 2 | 91.3 | 73.7 | 2 | 91.4 | 73.6 |
| 179.art | 2 | 81.5 | 74.0 | 2 | 81.5 | 74.0 |
| 183.quake | 2 | 78.4 | 38.5 | 2 | 78.0 | 38.7 |
| 187.facerec | 2 | 117 | 37.8 | 2 | 117 | 37.8 |
| 188.amp | 2 | 199 | 25.7 | 2 | 199 | 25.7 |
| 189.lucas | 2 | 182 | 25.5 | 2 | 183 | 25.4 |
| 191.fma3d | 2 | 190 | 25.7 | 2 | 190 | 25.7 |
| 200.sixtrack | 2 | 155 | 16.4 | 2 | 155 | 16.4 |
| 301.apsi | 2 | 218 | 27.6 | 2 | 218 | 27.6 |

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: 4x2048MB PC2-3200
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition SP1
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 shlw32M.lib

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