



CFP2000 Result

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

SPECfp_rate2000 = 26.5
SPECfp_rate_base2000 = 26.1

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Nov-2004 Hardware Avail: Aug-2004 Software Avail: Aug-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	75.3	49.3	2	75.4	49.3
171.swim	2	300	23.9	2	301	23.9
172.mgrid	2	192	21.7	2	192	21.7
173.applu	2	230	21.2	2	226	21.5
177.mesa	2	88.8	36.6	2	88.3	36.8
178.galgel	2	189	35.6	2	189	35.6
179.art	2	175	34.4	2	174	34.7
183.equake	2	122	24.7	2	92.5	32.6
187.facerec	2	135	32.6	2	147	30.1
188.amp	2	261	19.6	2	261	19.6
189.lucas	2	206	22.5	2	206	22.5
191.fma3d	2	195	25.0	2	195	25.0
200.sixtrack	2	172	14.8	2	172	14.8
301.apsi	2	283	21.3	2	283	21.3

Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (HT Technology disabled)
CPU(s) orderable: 1,2
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: 4x2048MB PC3200 CL3.0
Disk Subsystem: 1x72.8GB 15K U320
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
Compiler: Intel C++ Compiler 8.1 Build 20040802Z
Intel Fortran Compiler 8.1 Build 20040802Z
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 Base tuning: -QxP -fast -Qansi_alias +FDO
Portability flags:
 178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -QxP -fast -Qansi_alias +FDO ONESTEP=yes
171.swim: -QxP -fast -f77rtl +FDO ONESTEP=yes
172.mgrid: -QxP -fast -Qansi_alias +FDO ONESTEP=yes
173.applu: -QxP -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes
177.mesa: -QxP -fast +FDO ONESTEP=yes
178.galgel: -QxP -fast +FDO ONESTEP=yes
179.art: -fast -Oa -Qunroll4 -Zp4 ONESTEP=yes
183.equake: -QxP -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: -QaxN -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
188.amp: basepeak=1
189.lucas: -QaxN -fast
191.fma3d: basepeak=1
```



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Notes/Tuning Information (Continued)

```
200.sixtrack: -QxP -fast +FDO
301.apsi: -QxP -fast -f77rtl +FDO ONESTEP=yes
BIOS Configuration Notes
HT Technology disabled
```