



CFP2000 Result

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Hewlett-Packard Company
ProLiant BL20p G2 (3.06GHz/1MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 19.9
SPECfp_rate_base2000 = 19.5

SPEC license #: 3 | Test date: Aug-2003 | Hardware Avail: Jul-2003 | Software Avail: Jun-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	127	29.2	2	128	29.0
171.swim	2	397	18.1	2	397	18.1
172.mgrid	2	229	18.2	2	229	18.2
173.applu	2	303	16.1	2	303	16.1
177.mesa	2	112	28.9	2	113	28.8
178.galgel	2	222	30.2	2	222	30.3
179.art	2	595	10.1	2	584	10.3
183.quake	2	171	17.6	2	131	23.0
187.facerec	2	161	27.5	2	161	27.5
188.amp	2	274	18.6	2	274	18.6
189.lucas	2	252	18.4	2	252	18.4
191.fma3d	2	239	20.4	2	239	20.4
200.sixtrack	2	198	12.9	2	195	13.1
301.apsi	2	322	18.7	2	320	18.9

Hardware

CPU: Intel Xeon (3.06GHz, 533MHz bus)
 CPU MHz: 3066
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K micro-ops I + 8KBD on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: 1024KB(I+D) on chip
 Other Cache: N/A
 Memory: 2x1024MB PC2100
 Disk Subsystem: 2x18.2GB 15K Ultra3 SCSI
 Other Hardware:

Software

Operating System: Windows 2000 Server (Build 2195 SP3)
 Compiler: Intel C++ Compiler 7.1 Build 20030801Z
 Microsoft Visual Studio Enterprise Edition 6.0 (for libraries)
 Intel Fortran Compiler 7.1 build 20030307Z
 MicroQuill Smartheap Library 7.0
 File System: NTFS
 System State: Hyperthreading disabled in BIOS

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QxW -Qipo -O3 +FDO ONESTEP=yes
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxW +FDO ONESTEP=yes
171.swim: -Qipo -QxW -O3 +FDO ONESTEP=yes
172.mgrid: -Qipo -QaxW -O3 +FDO ONESTEP=yes
173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO ONESTEP=yes
177.mesa: -Qipo -QxW -O3 +FDO ONESTEP=yes
178.galgel: -Qipo -QxW -O3 +FDO ONESTEP=yes
179.art: -Qipo -Oa -Qunroll4 -Zp4 ONESTEP=yes
183.quake: -Qipo -QxW -Oa +FDO shlw32M.lib ONESTEP=yes
187.facerec: -Qipo -QxW -O3 -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
188.amp: -QxW -Oa ONESTEP=yes
189.lucas: -Qipo -QaxW
191.fma3d: basepeak=1
```



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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxW +FDO ONESTEP=yes
301.apsi: -Qipo -QxW -O3 +FDO ONESTEP=yes