



# CFP2000 Result

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Hewlett-Packard Company  
ProLiant DL360 G3(3.06GHz, Intel Xeon)

SPECfp\_rate2000 = 19.9  
SPECfp\_rate\_base2000 = 19.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	133	27.9	2	125	29.6
171.swim	2	403	17.9	2	386	18.7
172.mgrid	2	249	16.8	2	233	17.9
173.applu	2	308	15.8	2	297	16.4
177.mesa	2	113	28.6	2	113	28.6
178.galgel	2	230	29.2	2	222	30.3
179.art	2	592	10.2	2	577	10.5
183.quake	2	179	16.9	2	131	23.0
187.facerec	2	171	25.8	2	168	26.2
188.amp	2	276	18.5	2	273	18.7
189.lucas	2	260	17.8	2	249	18.7
191.fma3d	2	250	19.5	2	250	19.5
200.sixtrack	2	197	13.0	2	192	13.3
301.apsi	2	319	18.9	2	318	19.0

### Hardware

CPU: Intel Xeon (3.06GHz, 533MHz bus)  
 CPU MHz: 3066  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12KBI + 8KBD on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: 1024KB(I+D) on chip  
 Other Cache: N/A  
 Memory: 4x512MB PC2100  
 Disk Subsystem: 2x36.4GB U320 15K  
 Other Hardware:

### Software

Operating System: Windows 2000 Server (Build 2195 SP3)  
 Compiler: Intel C++ Compiler 7.0 Build 20021028Z  
 Microsoft Visual Studio .NET (for libraries)  
 Intel Fortran Compiler 7.0 build 20021028Z  
 MicroQuill Smartheap Library 6.03  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QxW -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxW +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO
177.mesa: -Qipo -QxW -O3 +FDO
178.galgel: -Qipo -QxW -O3 +FDO
LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
libm.lib LIBC.lib libirc.lib OLDNAMES.lib
179.art: -Qipo -Oa -Qunroll4 -Zp4
183.quake: -Qipo -QxW -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxW -O3 -Qunroll11 -Qscalar_rep- +FDO
LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
```



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## Notes/Tuning Information (Continued)

```

libm.lib LIBC.lib libirc.lib OLDNAMES.lib
188.ammf: -QxW -Oa
189.lucas: -Qipo -QaxW
191.fma3d: basepeak=1
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW -O3 +FDO

```