# CFP2000 Result

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## IBM Corporation

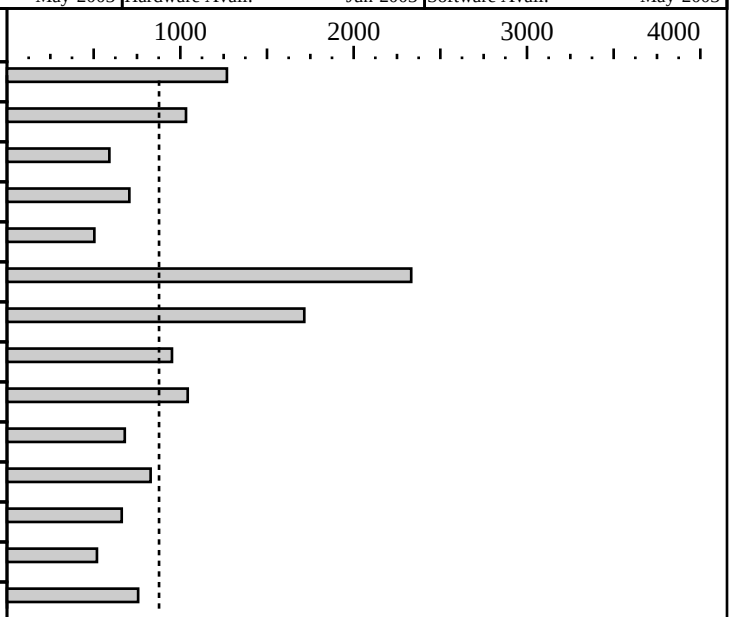
IBM eServer pSeries 615 Model 6C3 (1200 Mhz, 1 CPU)

SPECfp2000 = --

SPECfp_base2000 = 877

SPEC license #: 11 | Tested by: IBM, Austin, Tx | Test date: May-2003 | Hardware Avail: Jun-2003 | Software Avail: May-2003

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 126 | 1269 | | |
| 171.swim | 3100 | 300 | 1033 | | |
| 172.mgrid | 1800 | 305 | 591 | | |
| 173.applu | 2100 | 298 | 706 | | |
| 177.mesa | 1400 | 278 | 504 | | |
| 178.galgel | 2900 | 124 | 2332 | | |
| 179.art | 2600 | 152 | 1715 | | |
| 183.equake | 1300 | 137 | 952 | | |
| 187.facerec | 1900 | 182 | 1043 | | |
| 188.ammp | 2200 | 324 | 679 | | |
| 189.lucas | 2000 | 241 | 829 | | |
| 191.fma3d | 2100 | 317 | 662 | | |
| 200.sixtrack | 1100 | 212 | 519 | | |
| 301.apsi | 2600 | 344 | 757 | | |




### Hardware

| | |
|---|---|
| CPU: | POWER4+ |
| CPU MHz: | 1200 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 2 cores/chip, 1 processor chip/DCM |
| CPU(s) orderable: | 1,2 (order by # cores) |
| Parallel: | No |
| Primary Cache: | 64KBI+32KBD (on chip) per core |
| Secondary Cache: | 1536KB unified (on chip) per chip |
| L3 Cache: | 8MB unified (off-chip) per DCM, 1 DCM in SUT |
| Other Cache: | None |
| Memory: | 8 GB |
| Disk Subsystem: | 1x36GB Ultra3 SCSI 10K RPM |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | SLES 8 Service Release 1 for pSeries w/2.4.19 kernel |
| Compiler: | IBM VisualAge C++ Version 6.0 for Linux on pSeries<br><br>IBM XL Fortran Version 8.1 for Linux on pSeries |
| File System: | ext2 |
| System State: | Multi-user |

## Notes/Tuning Information

```
cfg file:  ppc32-linux-ibm-ref-o5.cfg

Compiled 32-bit applications

CC  = /opt/ibmcmp/vac/6.0/bin/xlc
CXX = /opt/ibmcmp/vacpp/6.0/bin/xlC
FC  = /opt/ibmcmp/xlf/8.1/bin/xlf90
F77 = /opt/ibmcmp/xlf/8.1/bin/xlf90

DCM: Acronym for "Dual-chip module"
SUT: Acronym for "System under test"

IBM eServer pSeries 615 Model 6C3 (rack-mount server) and pSeries
615 Model 6E3 (deskside server) are electronically equivalent.
1 processor was deconfigured through the configuration menu.
```

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## Notes/Tuning Information (Continued)

```
SLES: SuSE Linux Enterprise Server
Floating point optimization flags
   FP: -O5

Floating point portability flags
   wupwise: -qfixed
   swim: -qfixed
   mgrid: -qfixed
   applu: -qfixed
   mesa: none
   galgel: -qfixed -qsuffix=f=f90
   facerec: -qsuffix=f=f90
   lucas: -qsuffix=f=f90
   fma3d: -qsuffix=f=f90
   sixtrack: -qfixed
   apsi: -qfixed
```