



# CFP2000 Result

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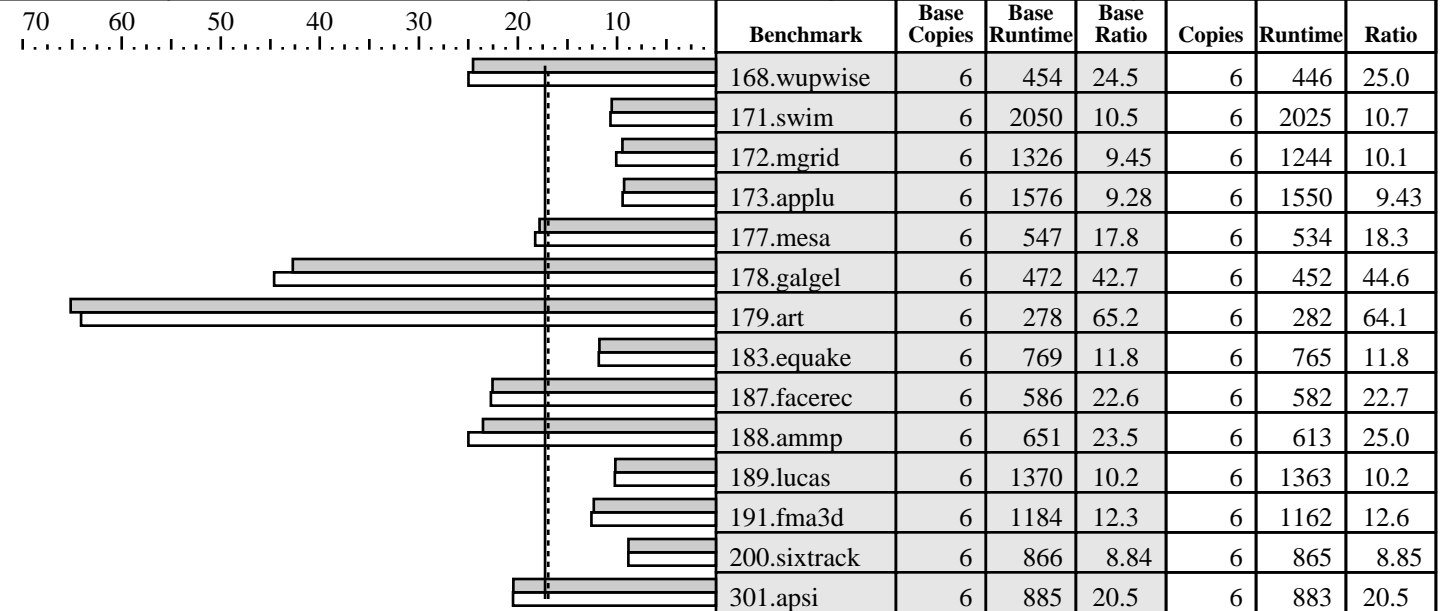
## IBM Corporation

IBM eServer pSeries 620 Model 6F1 (668MHz,8MB L2)

SPECfp\_rate2000 = 17.3

SPECfp\_rate\_base2000 = 16.9

SPEC license #: 11 | Tested by: IBM, Austin, TX | Test date: Mar-2001 | Hardware Avail: Apr-2001 | Software Avail: Apr-2001



### Hardware

CPU: RS64 IV  
 CPU MHz: 668  
 FPU: Integrated  
 CPU(s) enabled: 6 cores, 6 chips, 1 core/chip  
 CPU(s) orderable: 6  
 Parallel: No  
 Primary Cache: 128KBI+128KBD (on chip)  
 Secondary Cache: 8MB unified (off chip)  
 L3 Cache: None  
 Other Cache: None  
 Memory: 4GB  
 Disk Subsystem: 2x9.1GB SCSI  
 Other Hardware: Ethernet

### Software

Operating System: AIX 4.3.3  
 Compiler: Fortran 77 and 90: IBM xl Fortran 7.1 invoked as 'xlf90'; C: IBM VAC++ 5.0.1 invoked as 'xlc'  
 File System: AIX/JFS  
 System State: Multi-user

## Notes/Tuning Information

### Portability Flags

-qfixed used in: wupwise, swim, mgrid, applu, galgel, sixtrack, apsi  
 -qsuffix=f=f90 used in: galgel, facerec, lucas, fma3d

### Base Flags:

Fortran: -O5 -lmass  
 C: -O5 -lmass

### Peak Flags:

168.wupwise: -qpdf1/pdf2 -O4 -qipa=level=2 -lmass, fdpr -v -R3  
 171.swim: -qpdf1/pdf2 -O4 -qipa=level=2 -lmass -qhot, fdpr -v -R3  
 172.mgrid: -O4 -qarch=pwr3  
 173.applu: -O3  
 177.mesa: -qpdf1/pdf2 -O3 -qarch=rs64c -L/usr/vac/lib, fdpr -v -R3  
 178.galgel: -qpdf1/pdf2 -O3 -lmass, fdpr -v -R3  
 179.art: -O5 -lmass  
 183.equake: -O5 -lmass  
 187.facerec: -O5 -lmass  
 188.amp: -qpdf1/pdf2 -O3 -lhmu -lmass -L/usr/vac/lib, fdpr -v -R3



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## Notes/Tuning Information (Continued)

189.lucas: -qpdf1/pdf2 -O3 -qarch=rs64b -lmass, fdpr -v -R3

191.fma3d: -qpdf1/pdf2 -O3 -lmass

200.sixtrack:-O3 -qarch=rs64c

301.apsi: -O5 -lmass

Tests were run with APAR IY 17356 applied to AIX 4.3.3 to enable new hardware support.

fdpr: Feedback directed program restructuring tool