



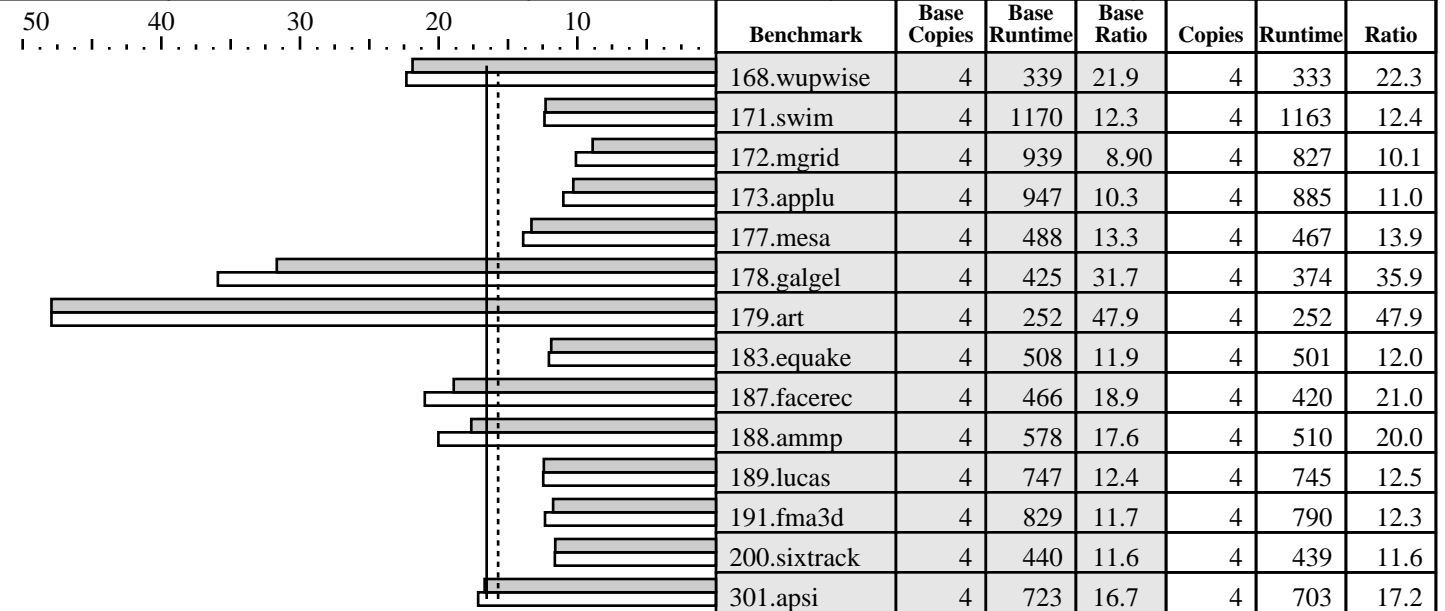
CFP2000 Result

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IBM Corporation
IBM RS/6000 Model M80 (750 MHz)

SPECfp_rate2000 = 16.5
SPECfp_rate_base2000 = 15.7

SPEC license #: 11 | Tested by: IBM Corp. | Test date: Jul-2001 | Hardware Avail: Sep-2001 | Software Avail: Sep-2001



Hardware

CPU: RS64 IV
CPU MHz: 750
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
CPU(s) orderable: 2,4,6,8
Parallel: No
Primary Cache: 128KBI+128KBD (on chip)
Secondary Cache: 8MB unified (off chip)
L3 Cache: None
Other Cache: None
Memory: 2GB
Disk Subsystem: 1x9.1GB, 1x4.3GB Fast SCSI
Other Hardware: None

Software

Operating System: AIX 5L V5.1
Compiler: Fortran 77 and 90: IBM xl Fortran 7.1.0.2 invoked as 'xlf90' for Fortran 90 and as 'xlf' for Fortran 77
C: IBM VAC++ 5.0.0.2 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 -O5 -lmass -lhmu -L/usr/lpp/xlf/lib/pdf
171.swim: -O4 -qarch=pwr3 -lmass
172.mgrid: -O4 -qarch=pwr3
173.applu: -qpdf1/pdf2 -O3 -lmass -qipa=level=2:partition=large
177.mesa: -qpdf1/pdf2 -O3 -qarch=rs64b -L/usr/vac/lib, fdpr -v -R3
178.galgel: -O4 -qarch=rs64b -lessl
179.art: basepeak=1
183.quake: -O5 -lmass -lhmu
187.facerec: -O5 -qarch=pwr3 -lmass -qhot fdpr -v -R3
188.amp: -O5 -qarch=pwr3 -qipa=partition=large -qalign=natural -lmass



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Notes/Tuning Information (Continued)

```
189.lucas: -O3 -lmass -lhmu
191.fma3d: -O3 -lmass -lhmu
200.sixtrack:-O3 -qarch=rs64c
301.apsi: -O4 -qarch=pwr3 -lmass -qhot
fdpr: Feedback directed program restructuring tool
APAR IY 21957 was applied to AIX 5.1.0 to enable new hardware support.
/usr/spec2000 file system mounted with no JFS log file I/O.
```