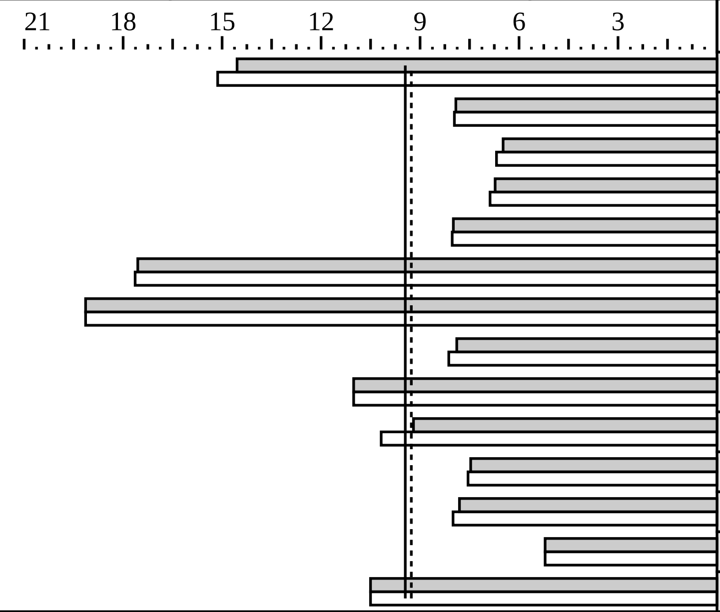
CFP2000 Result

IBM Corporation
RS/6000 Model 7026-F80 (4 CPU)

SPECfp_rate2000 = 9.45
SPECfp_rate_base2000 = 9.26

SPEC license #: 11	Tested by: IBM, Austin, TX	Test date: Apr-2000	Hardware Avail: Jun-2000	Software Avail: May-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	510	14.5	4	491	15.1
171.swim	4	1817	7.92	4	1807	7.96
172.mgrid	4	1288	6.48	4	1250	6.68
173.applu	4	1449	6.72	4	1417	6.88
177.mesa	4	813	7.99	4	809	8.03
178.galgel	4	766	17.6	4	763	17.6
179.art	4	630	19.1	4	630	19.1
183.equake	4	765	7.89	4	742	8.13
187.facerec	4	801	11.0	4	801	11.0
188.ammp	4	1110	9.20	4	1003	10.2
189.lucas	4	1243	7.47	4	1230	7.55
191.fma3d	4	1248	7.81	4	1218	8.00
200.sixtrack	4	980	5.21	4	980	5.21
301.apsi	4	1149	10.5	4	1149	10.5

Hardware

CPU:	IBM PowerPC RS64-III
CPU MHz:	450
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip
CPU(s) orderable:	2,4
Parallel:	No
Primary Cache:	128KBI+128KBD (on chip)
Secondary Cache:	4MB (I+D) (off chip, per CPU)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2x18.2GB SCSI, 7200 RPM
Other Hardware:	None

Software

Operating System:	AIX 4.3.3 plus APAR IY09807
Compiler:	IBM XL Fortran 7.1.0 IBM C 5.0.1
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
 NOTE: The flag combination 'qpdf1/qpdf2' indicates a 2 step compilation
       process, the exact process is as follows:
    fdo_pre0 = rm -rf ${PDFDIR}; mkdir -p ${PDFDIR}
    PASS1_FLAGS    =-qpdf1 {optimization flags}
    PASS1_LDFLAGS  ={libraries} -L{pdf library location} -lpdf
    PASS2_FLAGS    =-qpdf2 {optimization flags}
    PASS2_LDFLAGS  =-{libraries}
  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
```

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Notes/Tuning Information (Continued)

```
173.applu:   -O3
177.mesa:    -O3 -qarch=ppc,fdpr -v -R3
178.galgel:  -O4 -qipa=level=2 -qhot -lmass, fdpr -v -R3
179.art:     -O5 -lmass
183.equake:  -O5 -lmass -lhmu
187.facerec: -O5 -lmass
188.ammp:    -O3 -lmass
189.lucas:   -qpdf1/pdf2 -O3 -qarch=rs64b -lmass,fdpr -v -R3
191.fma3d:   -O3 -lmass
200.sixtrack:-O5 -lmass
301.apsi:    -O5 -lmass
```