CFP2000 Result

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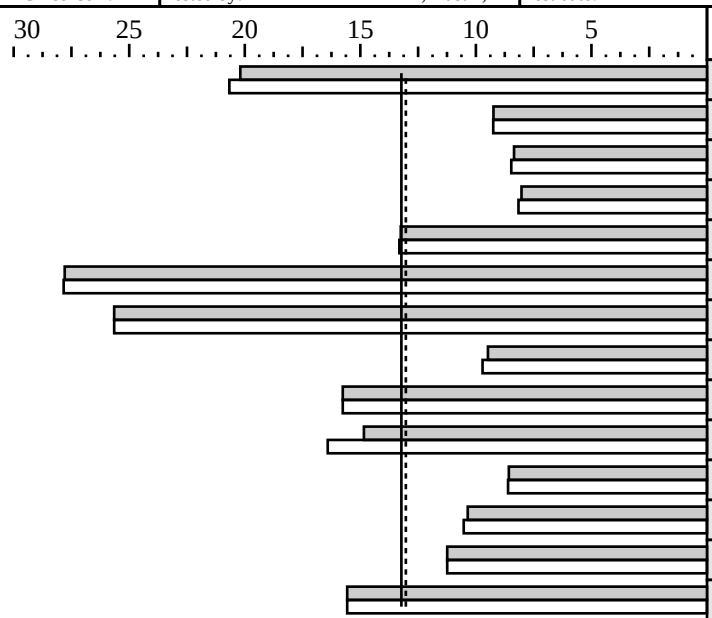
IBM Corporation
RS/6000 Model 7026-F80 (6 CPU)

SPECfp_rate2000 = 13.2

SPECfp_rate_base2000 = 13.0

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	6	551	20.2	6	539	20.7
171.swim	6	2335	9.24	6	2333	9.25
172.mgrid	6	1500	8.35	6	1479	8.47
173.applu	6	1821	8.03	6	1792	8.16
177.mesa	6	735	13.3	6	732	13.3
178.galgel	6	726	27.8	6	725	27.8
179.art	6	705	25.7	6	705	25.7
183.equake	6	955	9.48	6	932	9.71
187.facerec	6	839	15.8	6	839	15.8
188.ammp	6	1031	14.8	6	933	16.4
189.lucas	6	1623	8.57	6	1617	8.61
191.fma3d	6	1412	10.4	6	1389	10.5
200.sixtrack	6	681	11.2	6	681	11.2
301.apsi	6	1162	15.6	6	1162	15.6

Hardware

CPU:	IBM PowerPC RS64-III
CPU MHz:	500
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:	4MB (I+D) (off chip,per CPU)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	1x4.5GB LVD SCSI, 1x9.1GB SSA
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
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:    -O3 -qarch=ppc,fdpr -v -R3
   178.mesa:    -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
```

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Notes/Tuning Information (Continued)

```
189.lucus:   -qpdf1/pdf2 -O3 -qarch=rs64b -lmass,fdpr -v -R3
191.fma3d:   -O3 -lmass
200.sixtrack:-O5 -lmass
301.apsi:    -O5 -lmass
```