



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.quake	6	955	9.48	6	932	9.71
187.facerec	6	839	15.8	6	839	15.8
188.amp	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.quake: -O5 -lmass -lhmu
187.facerec: -O5 -lmass
188.amp: -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