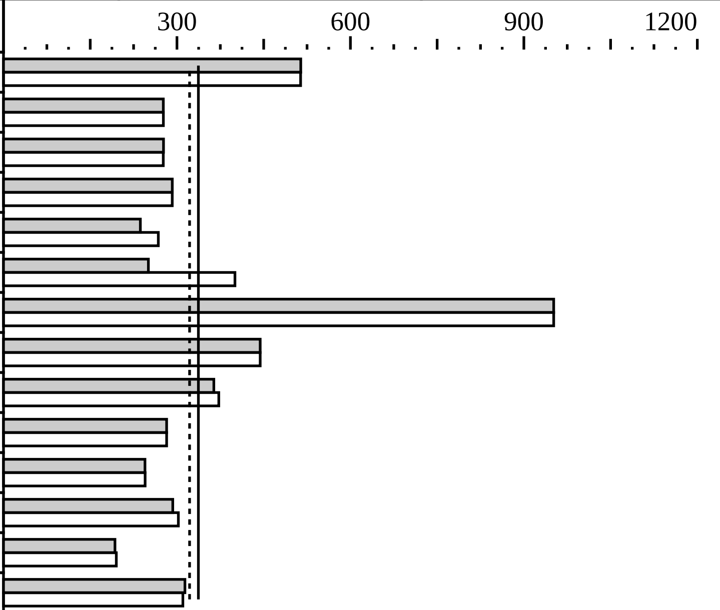
CFP2000 Result

IBM Corporation
RS/6000 SP-375MHz High Node(1 CPU)

SPECfp2000 = 337
SPECfp_base2000 = 322

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	311	514	311	514
171.swim	3100	1122	276	1121	277
172.mgrid	1800	650	277	651	276
173.applu	2100	719	292	720	292
177.mesa	1400	591	237	523	268
178.galgel	2900	1157	251	724	400
179.art	2600	273	952	273	952
183.equake	1300	293	444	293	444
187.facerec	1900	522	364	510	372
188.ammp	2200	780	282	780	282
189.lucas	2000	817	245	817	245
191.fma3d	2100	717	293	694	302
200.sixtrack	1100	571	193	564	195
301.apsi	2600	829	314	838	310



Hardware

CPU:	Power3-II
CPU MHz:	375
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	4,8,12,16
Parallel:	None
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	8MB unified (off chip, per CPU)
L3 Cache:	None
Other Cache:	None
Memory:	32GB
Disk Subsystem:	2x18GB SCSI,7200RPM
Other Hardware:	Ethernet

Software

Operating System:	AIX 4.3.3 plus beta of APAR IY11202
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 Optimization Flags:
  Fortran:   -O5 -lmass
  C:         -O5 -lmass
Peak Optimization Flags
168.wupwise: -O5 -lmass -qipa=partition=large
171.swim:    -qpdf1/pdf2 -O5 -qipa=partition=large -lmass, fdpr -v -R3
172.mgrid:   -O4
173.applu:   -O5 -lmass -qipa=partition=large
177.mesa:    -O5 -lmass -qipa=partition=large, fdpr -v -R3
178.galgel:  -qpdf1/pdf2 -O3 -qarch=pwr3 -qtune=pwr3 -lessl, fdpr -v -R3
179.art:     -O5 -lmass (basepeak=1)
183.equake:  -O5 -lmass (basepeak=1)
187.facerec: -qpdf1/pdf2 -O5 -qipa=partition=large -lmass
188.ammp:    -O5 -lmass (basepeak=1)
```

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Notes/Tuning Information (Continued)

```
189.lucas:   -O3
191.fma3d:   -O4 -lmass -qipa=partition=large
200.sixtrack:-O3 -qarch=pwr3 -qtune=pwr3 -lmass -qhot
301.apsi:    -O4 -lmass -qipa=partition=large
NOTE: 16 CPUs were installed, but 15 were disabled via the service processor setup menu.
```