CFP2000 Result

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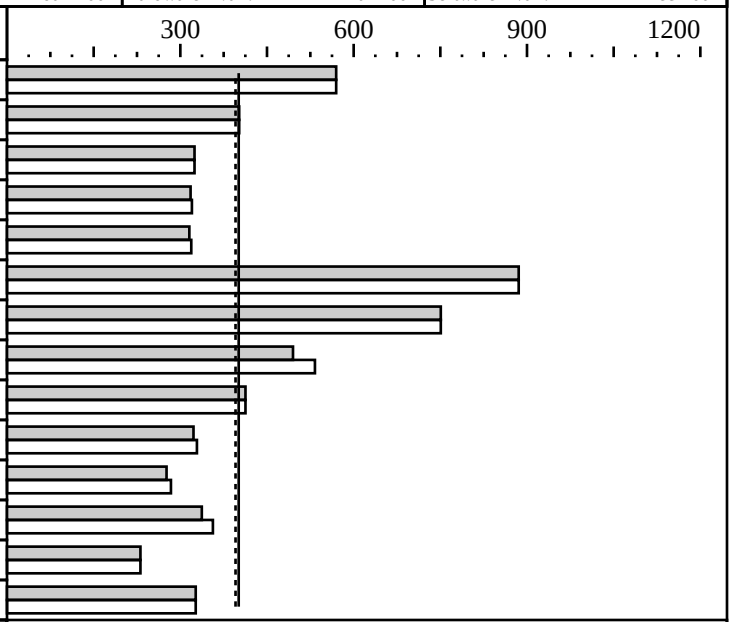
IBM Corporation
IBM IntelliStation POWER Model 265

SPECfp2000 = 401

SPECfp_base2000 = 396

SPEC license #: 11 | Tested by: IBM Corp. | Test date: Jan-2002 | Hardware Avail: Mar-2002 | Software Avail: Dec-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	281	570	281	570
171.swim	3100	771	402	771	402
172.mgrid	1800	555	325	555	325
173.applu	2100	661	318	656	320
177.mesa	1400	444	316	439	319
178.galgel	2900	327	886	327	886
179.art	2600	346	751	346	751
183.equake	1300	263	495	244	533
187.facerec	1900	460	413	460	413
188.ammp	2200	682	323	669	329
189.lucas	2000	724	276	705	284
191.fma3d	2100	623	337	589	356
200.sixtrack	1100	476	231	476	231
301.apsi	2600	796	327	796	327



Hardware

CPU:	POWER3-II
CPU MHz:	450
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	4MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2x18GB 10000RPM
Other Hardware:	None

Software

Operating System:	AIX 5L V5.1
Compiler:	Fortran 77 and 90: IBM xl Fortran 7.1.1.0 invoked as xlf90 for Fortran 90 and as xlf for Fortran 77 C: IBM VAC++ 5.0.2.0 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:  (basepeak=1)
  171.swim:     (basepeak=1)
  172.mgrid:    (basepeak=1)
  173.applu:    -O5 -lmass -qipa=partition=large
  177.mesa:     -O5 -lmass -qipa=partition=large, fdpr -v -R3
  178.galgel:   (basepeak=1)
  179.art:      (basepeak=1)
  183.equake:   -O5 -lmass -lhmu -qinline
  187.facerec:  (basepeak=1)
  188.ammp:     -O3 -qarch=pwr3
```

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Notes/Tuning Information (Continued)

```
  189.lucas:    -qpdf1/pdf2 -O3 -lhmu -lmass
                -qipa=partition=large, fdpr -v -R3
  191.fma3d:    -O4 -lmass -qipa=partition=large
  200.sixtrack: (basepeak=1)
  301.apsi:     (basepeak=1)
fpdr: Feedback directed program restructuring tool
/usr/spec2000 filesystem mounted with no JFS log file I/O
APAR IY22854 was applied to AIX 5L V5.1 to enable new hardware support
```