CFP2000 Result

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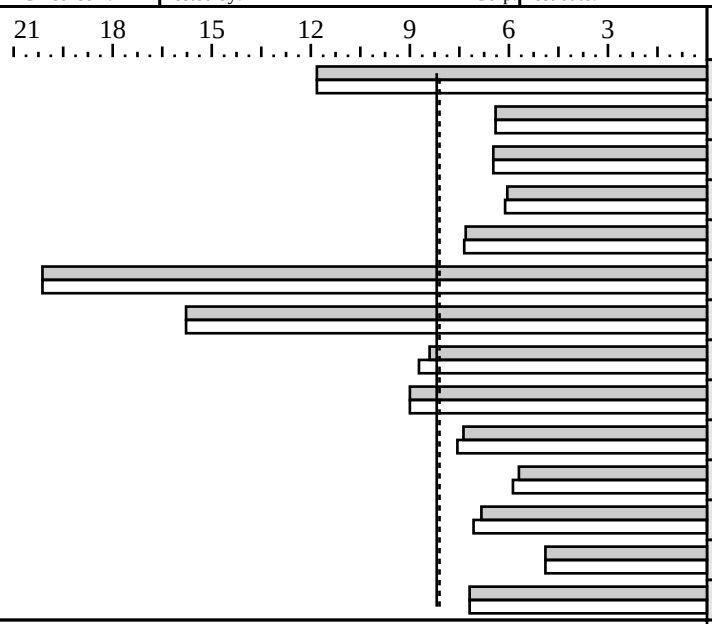
IBM Corporation
IBM IntelliStation POWER Model 265

SPECfp_rate2000 = 8.19

SPECfp_rate_base2000 = 8.10

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	314	11.8	2	314	11.8
171.swim	2	1123	6.40	2	1123	6.40
172.mgrid	2	645	6.47	2	645	6.47
173.applu	2	805	6.05	2	797	6.11
177.mesa	2	444	7.31	2	442	7.35
178.galgel	2	334	20.1	2	334	20.1
179.art	2	382	15.8	2	382	15.8
183.equake	2	359	8.40	2	346	8.72
187.facerec	2	490	9.00	2	490	9.00
188.ammp	2	692	7.38	2	675	7.56
189.lucas	2	814	5.70	2	789	5.88
191.fma3d	2	713	6.83	2	689	7.07
200.sixtrack	2	521	4.89	2	521	4.89
301.apsi	2	839	7.19	2	839	7.19

Hardware

CPU:	POWER3-II
CPU MHz:	450
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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
```