



CFP2000 Result

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IBM Corporation

IBM IntelliStation POWER 285 Workstation (1900 MHz, 1 CPU)

SPECfp2000 = 3027

SPECfp_base2000 = 2838

SPEC license #: 11 | Tested by: IBM | Test date: Sep-2005 | Hardware Avail: Oct-2005 | Software Avail: Oct-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	61.5	2603	57.3	2791
171.swim	3100	76.6	4049	74.9	4141
172.mgrid	1800	70.3	2562	66.2	2719
173.applu	2100	88.9	2362	88.9	2363
177.mesa	1400	109	1285	101	1391
178.galgel	2900	49.2	5890	34.1	8511
179.art	2600	16.8	15511	16.8	15511
183.quake	1300	22.2	5867	22.1	5894
187.facerec	1900	72.9	2605	71.2	2667
188.amp	2200	158	1396	154	1426
189.lucas	2000	37.6	5316	35.1	5701
191.fma3d	2100	122	1719	117	1797
200.sixtrack	1100	131	840	122	902
301.apsi	2600	145	1792	136	1915

Hardware

CPU: POWER5+
CPU MHz: 1900
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (SMT off)
CPU(s) orderable: 1,2
Parallel: None
Primary Cache: 64KBI+32KBD (on chip)/core
Secondary Cache: 1920KB unified (on chip)/chip
L3 Cache: 36MB unified (off-chip)/DCM, 1 DCM/SUT
Other Cache: None
Memory: 8x2GB
Disk Subsystem: 1x73GB SCSI, 15K RPM
Other Hardware: None

Software

Operating System: AIX 5L V5.3
Compiler: XL C/C++ Enterprise Edition Version 8.0 for AIX
XL Fortran Enterprise Edition Version 10.1 for AIX
Other Software: ESSL 4.2.0.2
File System: AIX/JFS2
System State: Multi-user

Notes/Tuning Information

Portability Flags:

-qfixed used in: 168.wupwise, 171.swim, 172.mgrid, 173.applu,
178.galgel, 200.sixtrack, 301.apsi
-qsuffix=f=f90 used in: 178.galgel, 187.facerec, 189.lucas, 191.fma3d

Base Optimization Flags:

Fortran: -O5 -lhmu -blpdata -lmass
C: -qpdf1/pdf2
-O5 -blpdata -qalign=natural

Peak Optimization Flags

168.wupwise: -qpdf1/pdf2
-O5 -blpdata -qfdpr
fdpr -q -O3
171.swim: F77=xl
-O5 -qarch=pwr3 -qtune=pwr3 -blpdata -lmass
172.mgrid: -qpdf1/pdf2

