



CFP2000 Result

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IBM Corporation
IBM System p5 520 (1900 MHz, 1 CPU)

SPECfp2000 = 3030
SPECfp_base2000 = 2839

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	59.9	2670	55.2	2898
171.swim	3100	76.6	4049	75.0	4135
172.mgrid	1800	70.1	2569	66.0	2725
173.applu	2100	92.9	2260	91.5	2295
177.mesa	1400	108	1291	101	1388
178.galgel	2900	49.3	5882	34.1	8492
179.art	2600	16.8	15478	16.8	15478
183.quake	1300	22.2	5864	22.1	5888
187.facerec	1900	72.9	2605	71.3	2665
188.amp	2200	157	1398	152	1447
189.lucas	2000	37.5	5331	35.0	5720
191.fma3d	2100	121	1740	117	1788
200.sixtrack	1100	131	841	122	902
301.apsi	2600	145	1792	136	1918

Hardware

CPU: POWER5+
 CPU MHz: 1900
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (SMT off)
 CPU(s) orderable: 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

