



CFP2000 Result

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IBM Corporation
IBM System p5 550 (1900 MHz, 1 CPU)

SPECfp2000 = 3007
SPECfp_base2000 = 2815

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	61.3	2612	56.7	2821
171.swim	3100	79.0	3924	76.0	4081
172.mgrid	1800	70.4	2556	66.4	2711
173.applu	2100	94.5	2221	94.5	2221
177.mesa	1400	108	1293	102	1379
178.galgel	2900	49.2	5893	34.1	8497
179.art	2600	16.7	15547	16.7	15547
183.earth	1300	22.2	5861	22.1	5895
187.facerec	1900	73.0	2604	71.2	2667
188.amp	2200	157	1402	151	1459
189.lucas	2000	38.2	5239	35.7	5608
191.fma3d	2100	124	1691	119	1767
200.sixtrack	1100	131	841	122	902
301.apsi	2600	146	1783	136	1910

Hardware

CPU: POWER5+
CPU MHz: 1900
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (SMT off)
CPU(s) orderable: 2,4
Parallel: None
Primary Cache: 64KBI+32KBD (on chip)/core
Secondary Cache: 1920KB unified (on chip)/chip
L3 Cache: 36MB unified (off-chip)/DCM, 2 DCM/SUT
Other Cache: None
Memory: 16x2GB
Disk Subsystem: 2x36GB 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

