



# CFP2000 Result

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Fujitsu Siemens Computers  
PRIMERGY BX630, AMD Opteron (TM) 250

SPECfp2000 = 1531  
SPECfp\_base2000 = 1531

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Sep-2005 Hardware Avail: Oct-2005 Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	66.5	2404	66.5	2404	[Bar chart showing ratio 2404]			
171.swim	3100	170	1822	170	1822	[Bar chart showing ratio 1822]			
172.mgrid	1800	125	1440	125	1440	[Bar chart showing ratio 1440]			
173.applu	2100	164	1283	164	1283	[Bar chart showing ratio 1283]			
177.mesa	1400	151	924	151	924	[Bar chart showing ratio 924]			
178.galgel	2900	115	2528	115	2528	[Bar chart showing ratio 2528]			
179.art	2600	69.0	3766	69.0	3766	[Bar chart showing ratio 3766]			
183.earth	1300	89.3	1457	89.3	1457	[Bar chart showing ratio 1457]			
187.facerec	1900	112	1689	112	1689	[Bar chart showing ratio 1689]			
188.amp	2200	205	1074	205	1074	[Bar chart showing ratio 1074]			
189.lucas	2000	130	1534	130	1534	[Bar chart showing ratio 1534]			
191.fma3d	2100	153	1377	153	1377	[Bar chart showing ratio 1377]			
200.sixtrack	1100	151	728	151	728	[Bar chart showing ratio 728]			
301.apsi	2600	193	1348	193	1348	[Bar chart showing ratio 1348]			

### Hardware

CPU: AMD Opteron (TM) 250 processor (2.40 GHz)  
CPU MHz: 2400  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 64KBI + 64KBD on chip  
Secondary Cache: 1024KB (I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2048MB DDR-RAM PC3200R  
Disk Subsystem: Seagate ST3160023AS (SATA, 7.2krpm)  
Other Hardware: None

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1  
Compiler: PGI Fortran compiler 6.0-4 for Windows XP, PGI C compiler 6.0-4 for Windows XP  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

+FDO: PASS1=-Mpfi PASS2=-Mpfo  
ONESTEP is set to 1 for every compile with the PGI compilers.

### Portability flags

178.galgel: -Mfixed

### Base tuning flags

for Fortran programs: -fastsse -Mipa=fast,inline +FDO  
for C programs: -fastsse -Mipa=fast,inline

### Peak tuning flags

same as baseline (basepeak=yes set globally)

boot options: /NoExecute=alwaysoff



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## Notes/Tuning Information (Continued)

This result was measured with 32-bit binaries using the 32-bit version of the operating system.

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