



CFP2000 Result

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Fujitsu Siemens Computers
PRIMERGY BX630, AMD Opteron (TM) 850

SPECfp_rate2000 = 35.4
SPECfp_rate_base2000 = 35.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	66.7	55.6	2	66.7	55.6
171.swim	2	172	41.9	2	172	41.9
172.mgrid	2	126	33.2	2	126	33.2
173.applu	2	166	29.4	2	166	29.4
177.mesa	2	152	21.3	2	152	21.3
178.galgel	2	115	58.4	2	115	58.4
179.art	2	69.6	86.7	2	69.6	86.7
183.equake	2	89.7	33.6	2	89.7	33.6
187.facerec	2	112	39.2	2	112	39.2
188.amp	2	205	24.9	2	205	24.9
189.lucas	2	132	35.2	2	132	35.2
191.fma3d	2	153	31.9	2	153	31.9
200.sixtrack	2	151	16.9	2	151	16.9
301.apsi	2	193	31.2	2	193	31.2

Hardware

CPU: AMD Opteron (TM) 850 processor (2.40 GHz)
 CPU MHz: 2400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 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: 8x2048MB 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)

'start /b /wait /affinity' command is used to bind CPU(s) to processes
 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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