



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers
PRIMERGY RX220, AMD Opteron (TM) 254

SPECfp_rate2000 = 38.3
SPECfp_rate_base2000 = 38.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	60.5	61.4	2	60.5	61.4
171.swim	2	169	42.4	2	169	42.4
172.mgrid	2	116	36.0	2	116	36.0
173.applu	2	159	30.6	2	159	30.6
177.mesa	2	130	25.0	2	130	25.0
178.galgel	2	107	63.2	2	107	63.2
179.art	2	65.6	92.0	2	65.6	92.0
183.quake	2	85.7	35.2	2	85.7	35.2
187.facerec	2	103	42.7	2	103	42.7
188.amp	2	190	26.9	2	190	26.9
189.lucas	2	128	36.2	2	128	36.2
191.fma3d	2	139	35.0	2	139	35.0
200.sixtrack	2	131	19.5	2	131	19.5
301.apsi	2	173	34.8	2	173	34.8

Hardware

CPU: AMD Opteron (TM) 254 processor (2.80 GHz)
 CPU MHz: 2800
 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: Western Digital WD2500 (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



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers
PRIMERGY RX220, AMD Opteron (TM) 254

SPECfp_rate2000 = 38.3

SPECfp_rate_base2000 = 38.3

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

Notes/Tuning Information (Continued)

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

For information about Fujitsu Siemens Computers in your country please see:
<http://www.fujitsu-siemens.com/countries>