CFP2000 Result

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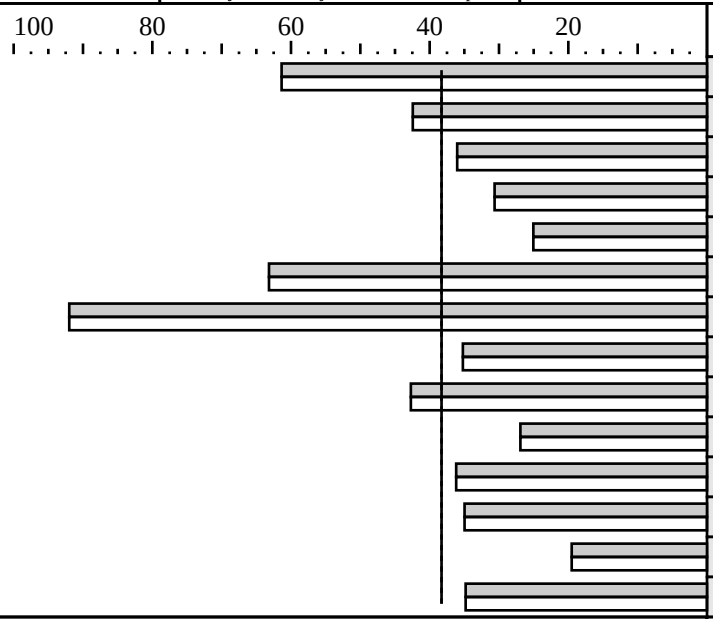
Fujitsu Siemens Computers

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.equake	2	85.7	35.2	2	85.7	35.2
187.facerec	2	103	42.7	2	103	42.7
188.ammp	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
```

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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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