CFP2000 Result

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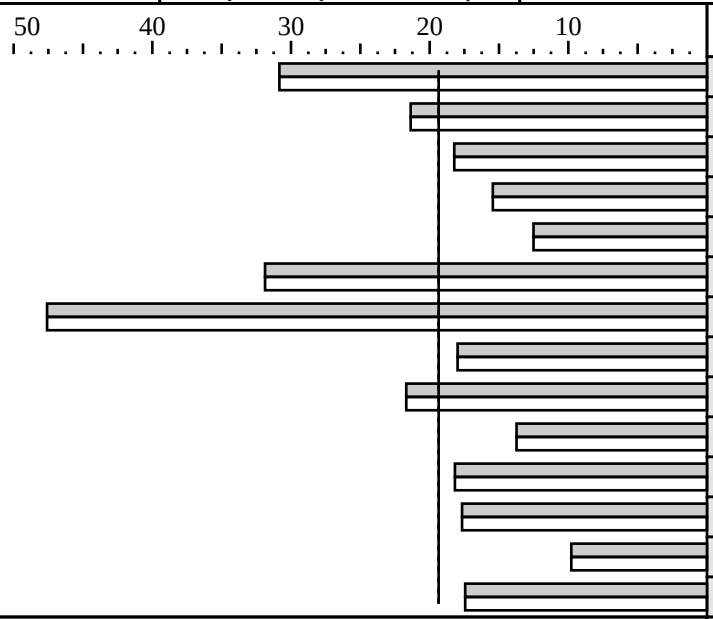
Fujitsu Siemens Computers

PRIMERGY RX220, AMD Opteron (TM) 254

SPECfp_rate2000 = 19.4

SPECfp_rate_base2000 = 19.4

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	1	60.2	30.8	1	60.2	30.8
171.swim	1	168	21.4	1	168	21.4
172.mgrid	1	115	18.2	1	115	18.2
173.applu	1	158	15.4	1	158	15.4
177.mesa	1	130	12.5	1	130	12.5
178.galgel	1	106	31.9	1	106	31.9
179.art	1	63.4	47.6	1	63.4	47.6
183.equake	1	83.8	18.0	1	83.8	18.0
187.facerec	1	102	21.7	1	102	21.7
188.ammp	1	186	13.7	1	186	13.7
189.lucas	1	128	18.2	1	128	18.2
191.fma3d	1	138	17.7	1	138	17.7
200.sixtrack	1	130	9.78	1	130	9.78
301.apsi	1	173	17.4	1	173	17.4

Hardware

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


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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