CFP2000 Result

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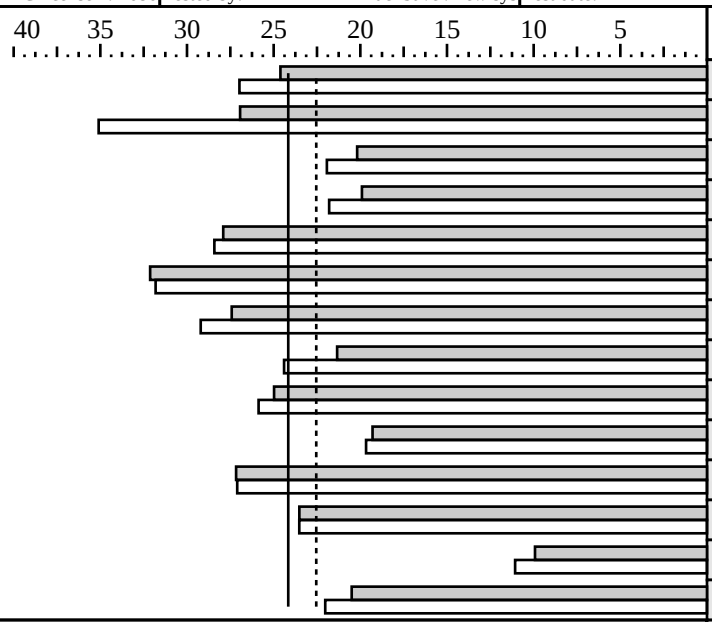
RackSaver
RSN-1164/op (1.8 GHz Opteron)

SPECfp_rate2000 = 24.2

SPECfp_rate_base2000 = 22.5

SPEC license #: 2686 | Tested by: RackSaver/Newisys | Test date: Apr-2003 | Hardware Avail: Apr-2003 | Software Avail: Apr-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	151	24.6	2	138	27.0
171.swim	2	267	26.9	2	205	35.1
172.mgrid	2	207	20.2	2	190	21.9
173.applu	2	245	19.9	2	224	21.8
177.mesa	2	116	27.9	2	114	28.4
178.galgel	2	209	32.1	2	212	31.8
179.art	2	220	27.4	2	207	29.2
183.equake	2	141	21.3	2	124	24.4
187.facerec	2	176	25.0	2	170	25.9
188.ammp	2	265	19.3	2	260	19.7
189.lucas	2	171	27.2	2	171	27.1
191.fma3d	2	207	23.5	2	207	23.5
200.sixtrack	2	257	9.92	2	231	11.1
301.apsi	2	294	20.5	2	274	22.0

Hardware

CPU:	AMD Opteron 244, 1.8 GHz
CPU MHz:	1800
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:	8x256MB PC2700 DDR SDRAM CL2.5
Disk Subsystem:	1 x 36 GB Maxtor Atlas 10K III U320
Other Hardware:	None

Software

Operating System:	Windows Server 2003, Enterprise Edition
Compiler:	Intel C/C++ 7.0 build 20021212Z and Intel Fortran 7.0 build 20021212Z Microsoft Visual Studio .NET Version 7.0.9466 (libraries) MicroQuill Smartheap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
icl and ifl are the Intel C/C++ and Fortran compilers
shlW32M6.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
Portability:
  178.galgel: -FI -Fe$@ -link -stack:32000000
Baseline: C       icl +FD0 -O3 -QxW  -Qipo
Baseline: Fortran ifl +FDO -O3 -QxW  -Qipo
  168.wupwise:    ifl +FD0     -QxK  -Qipo -Ow
  171.swim:       ifl +FD0 -O3 -QaxK -Qipo     -Qprefetch-             -Zp8
  172.mgrid:      ifl +FD0 -O3 -QaxW -Qipo -Oa -Qprefetch-
  173.applu:      ifl +FD0 -O3 -QxK  -Qipo     -Qscalar_rep-           -Zp8
  177.mesa:       icl +FD0 -O3 -QxW  -Qipo -Oa -Qscalar_rep-
  178.galgel:     ifl +FD0 -O3 -QaxW -Qipo     -Qscalar_rep- -Qunroll1
  179.art:        icl                -Qipo -Oa                -Qunroll4 -Zp4
  183.equake:     icl      -O3 -QxK  -Qipo -Oa shlW32M6.lib             -Zp4
  187.facerec:    ifl +FD0 -O3 -QaxW -Qipo     -Qscalar_rep- -Qunroll1
  188.ammp:       icl          -QxW        -Oa
```

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Notes/Tuning Information (Continued)

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  189.lucas:      ifl +FD0 -O3 -QxW  -Qipo     -Qprefetch-
  191.fma3d:      ifl +FD0 -O3 -QxW  -Qipo
  200.sixtrack:   ifl                -Qipo -Oa                          -Zp4
  301.apsi:       ifl +FD0     -QxiM -Qipo -Oa
ONESTEP is used for all base and peak runs
```