



# CFP2000 Result

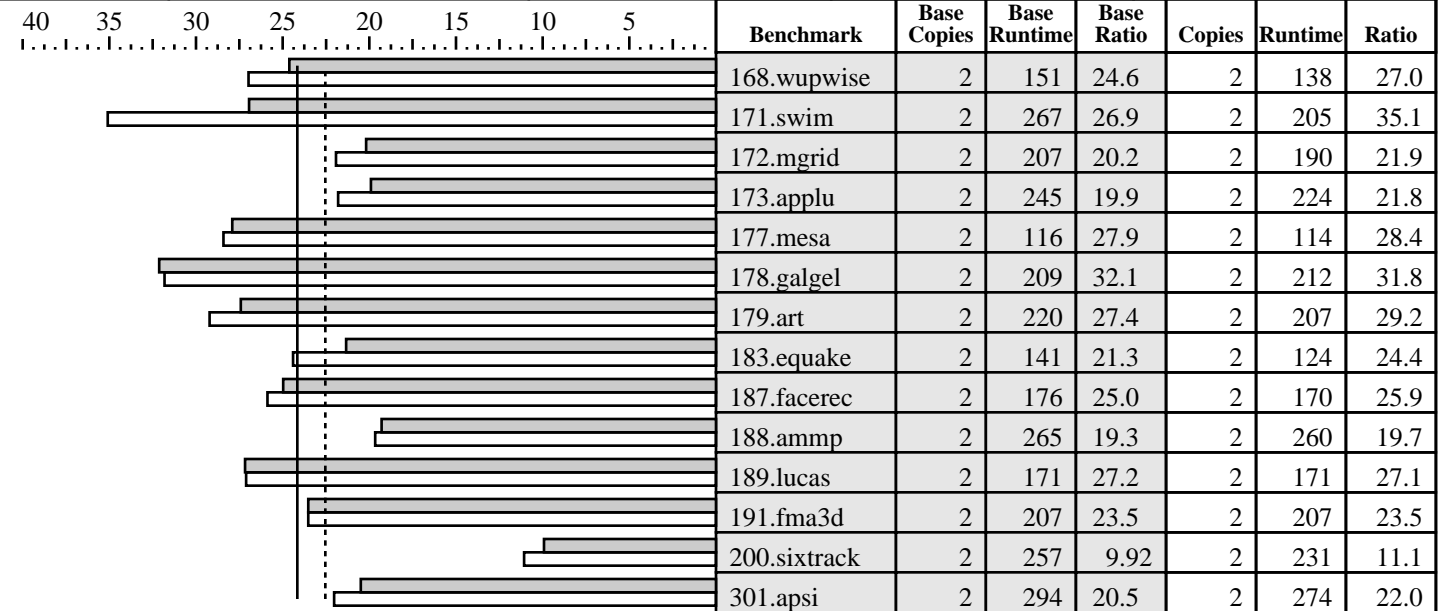
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**RackSaver**  
**RSN-1164/op (1.8 GHz Opteron)**

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



### 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](http://www.microquill.com)  
 Portability:  
 178.galgel: -FI -Fe\$@ -link -stack:32000000  
 Baseline: C icl +FDO -O3 -QxW -Qipo  
 Baseline: Fortran ifl +FDO -O3 -QxW -Qipo  
 168.wupwise: ifl +FDO -QxK -Qipo -Ow  
 171.swim: ifl +FDO -O3 -QaxK -Qipo -Qprefetch- -Zp8  
 172.mgrid: ifl +FDO -O3 -QaxW -Qipo -Oa -Qprefetch-  
 173.applu: ifl +FDO -O3 -QxK -Qipo -Qscalar\_rep- -Zp8  
 177.mesa: icl +FDO -O3 -QxW -Qipo -Oa -Qscalar\_rep-  
 178.galgel: ifl +FDO -O3 -QaxW -Qipo -Qscalar\_rep- -Qunroll11  
 179.art: icl -Qipo -Oa -Qunroll14 -Zp4  
 183.equake: icl -O3 -QxK -Qipo -Oa shlW32M6.lib -Zp4  
 187.facerec: ifl +FDO -O3 -QaxW -Qipo -Qscalar\_rep- -Qunroll11  
 188.amp: icl -QxW -Oa



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## Notes/Tuning Information (Continued)

```
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
```