



# CFP2000 Result

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**ION Computer Systems**  
SR2300WV2 (3.2GHz Xeon processor w. 2MB L3 cache)

SPECfp2000 = **1223**  
SPECfp\_base2000 = **1224**

SPEC license #: 2697 | Tested by: K.Josephson, ION | Test date: Feb-2004 | Hardware Avail: Feb-2004 | Software Avail: Nov-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	106	1509	106	1509	
171.swim	3100	201	1542	201	1542	
172.mgrid	1800	168	1069	168	1069	
173.applu	2100	208	1010	208	1010	
177.mesa	1400	95.1	1473	95.1	1473	
178.galgel	2900	119	2437	119	2437	
179.art	2600	172	1513	172	1513	
183.quake	1300	103	1265	103	1265	
187.facerec	1900	133	1429	133	1429	
188.amp	2200	245	898	250	880	
189.lucas	2000	163	1224	163	1224	
191.fma3d	2100	208	1008	208	1008	
200.sixtrack	1100	177	620	177	622	
301.apsi	2600	259	1004	259	1004	

### Hardware

CPU: Intel Xeon processor, 533MHz system bus  
CPU MHz: 3200  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1-2, Only 1 CPU installed, Hyper-Threading Technology disabled in BIOS  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
Secondary Cache: 512KB(I+D) on chip  
L3 Cache: 2048KB(I+D) on chip  
Other Cache: None  
Memory: 2 GB (2x1GB 2-2-2 DIMMs)  
Disk Subsystem: 1x 80GB IDE  
Other Hardware: None

### Software

Operating System: Red Hat Enterprise Linux ES release 3  
Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20031231Z)  
Intel(R) C++ Compiler for Linux 8.0 (Build 20031231Z)  
File System: ext2  
System State: Multi-user, 2.4.21 up kernel

## Notes/Tuning Information

+FDO: PASS1=-prof\_gen PASS2=-prof\_use

Baseline optimization flags:

C programs: PASS1= -xW -prof\_gen PASS2= -xW -ipo -O3 -prof\_use  
Fortran programs: PASS1= -xW -prof\_gen PASS2= -xW -ipo -O3 -prof\_use

FP Peak optimization flags:

168.wupwise: basepeak=yes  
171.swim: basepeak=yes  
172.mgrid: basepeak=yes  
173.applu: basepeak=yes  
177.mesa: basepeak=yes  
178.galgel: basepeak=yes  
179.art: basepeak=yes  
183.quake: basepeak=yes  
187.facerec: basepeak=yes  
188.amp: -xW -Oa +FDO



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## Notes/Tuning Information (Continued)

```
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: -ipo -xW +FDO
301.apsi: basepeak=yes
```

```
FP Portability Flags:
178.galgel: -FI
```