



CFP2000 Result

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ION Computer Systems

SR2300WV2 (3.066GHz Xeon processor w. 512KB L2 cache)

SPECfp2000 = 1003

SPECfp_base2000 = 1027

SPEC license #: 2697 | Tested by: ION | Test date: Feb-2004 | Hardware Avail: Nov-2003 | Software Avail: Jan-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	Scale: 500, 1000, 1500, 2000			
168.wupwise	1600	108	1475	108	1475	[Bar chart showing ratio 1475]			
171.swim	3100	207	1499	207	1499	[Bar chart showing ratio 1499]			
172.mgrid	1800	194	930	233	772	[Bar chart showing ratio 772]			
173.applu	2100	202	1040	202	1040	[Bar chart showing ratio 1040]			
177.mesa	1400	99.6	1406	99.6	1406	[Bar chart showing ratio 1406]			
178.galgel	2900	193	1505	192	1507	[Bar chart showing ratio 1507]			
179.art	2600	368	706	376	691	[Bar chart showing ratio 691]			
183.quake	1300	105	1242	118	1098	[Bar chart showing ratio 1098]			
187.facerec	1900	148	1285	148	1285	[Bar chart showing ratio 1285]			
188.amp	2200	398	553	398	553	[Bar chart showing ratio 553]			
189.lucas	2000	163	1225	163	1225	[Bar chart showing ratio 1225]			
191.fma3d	2100	208	1011	208	1011	[Bar chart showing ratio 1011]			
200.sixtrack	1100	186	590	186	590	[Bar chart showing ratio 590]			
301.apsi	2600	371	701	371	701	[Bar chart showing ratio 701]			

Hardware

CPU: Intel Xeon processor, 533MHz system bus
CPU MHz: 3057
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1-2
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: None
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

Only 1 processor installed
HyperThreading disabled in BIOS

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: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
173.applu: basepeak=yes
177.mesa: basepeak=yes
178.galgel: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
179.art: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
183.quake: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use



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Notes/Tuning Information (Continued)

187.facerec: basepeak=yes
188.ammmp: basepeak=yes
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: basepeak=yes

FP Portability Flags:
178.galgel: -FI