CFP2000 Result

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ION Computer Systems

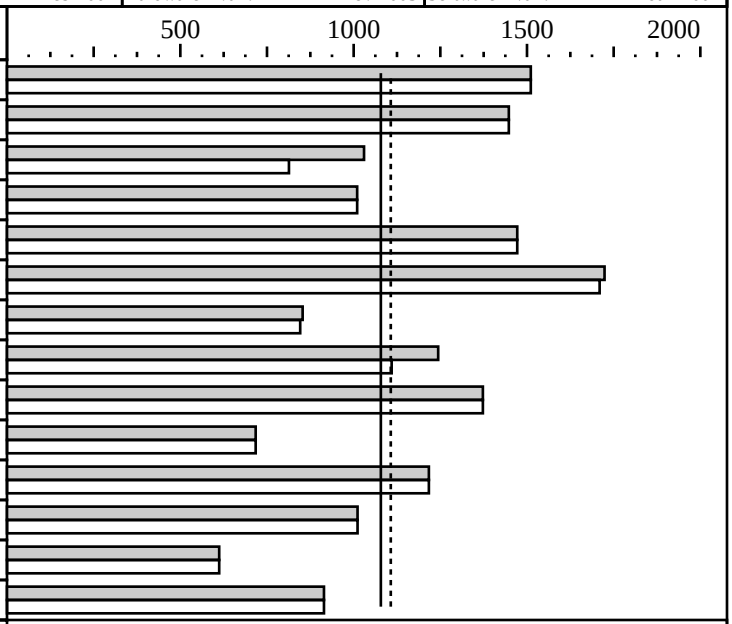
SR2300WV2 (3.2GHz Xeon processor w. 1MB L3 cache)

SPECfp2000 = 1078

SPECfp_base2000 = 1107

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
168.wupwise	1600	106	1511	106	1511
171.swim	3100	214	1448	214	1448
172.mgrid	1800	175	1030	221	813
173.applu	2100	208	1010	208	1010
177.mesa	1400	95.1	1472	95.1	1472
178.galgel	2900	168	1724	170	1710
179.art	2600	305	853	307	846
183.equake	1300	105	1244	117	1110
187.facerec	1900	138	1373	138	1373
188.ammp	2200	307	717	307	717
189.lucas	2000	164	1217	164	1217
191.fma3d	2100	208	1011	208	1011
200.sixtrack	1100	180	612	180	612
301.apsi	2600	284	914	284	914



Hardware

CPU:	Intel Xeon processor, 533MHz system bus
CPU MHz:	3200
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:	1024KB(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 smp 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.equake: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
     187.facerec: basepeak=yes
```

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Notes/Tuning Information (Continued)

```
          188.ammp: basepeak=yes
         189.lucas: basepeak=yes
         191.fma3d: basepeak=yes
     200.sixtrack: basepeak=yes
         301.apsi: basepeak=yes

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