CFP2000 Result

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ION Computer Systems

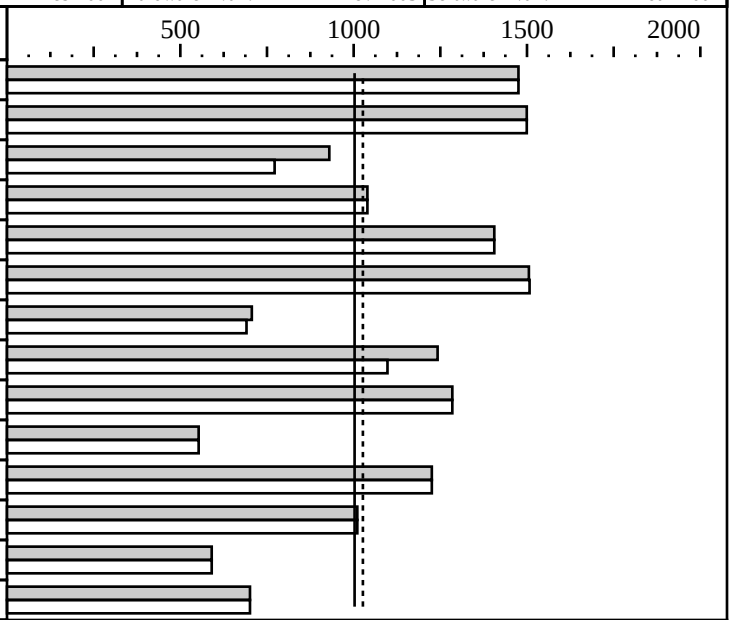
SR2300WV2 (3.066GHz Xeon processor w. 512KB L2 cache)

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
168.wupwise	1600	108	1475	108	1475
171.swim	3100	207	1499	207	1499
172.mgrid	1800	194	930	233	772
173.applu	2100	202	1040	202	1040
177.mesa	1400	99.6	1406	99.6	1406
178.galgel	2900	193	1505	192	1507
179.art	2600	368	706	376	691
183.equake	1300	105	1242	118	1098
187.facerec	1900	148	1285	148	1285
188.ammp	2200	398	553	398	553
189.lucas	2000	163	1225	163	1225
191.fma3d	2100	208	1011	208	1011
200.sixtrack	1100	186	590	186	590
301.apsi	2600	371	701	371	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.equake: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
```

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Notes/Tuning Information (Continued)

```
        187.facerec: basepeak=yes
           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
```