CFP2000 Result

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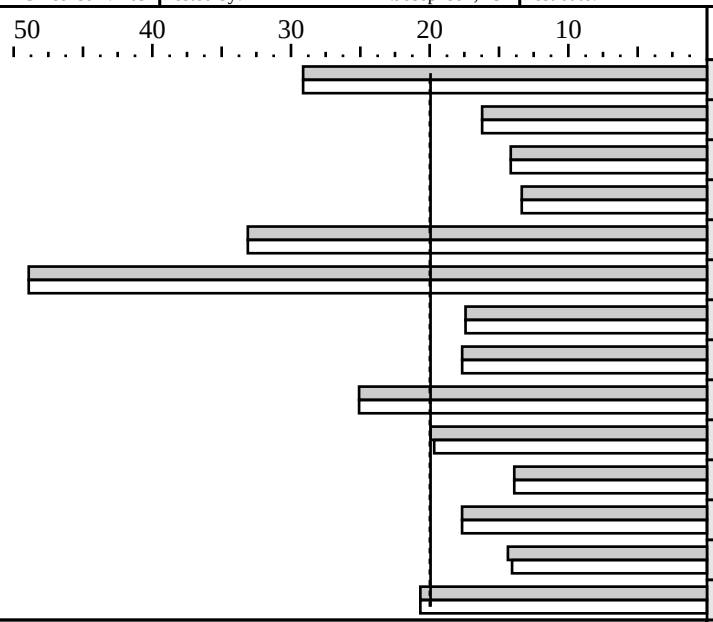
ION Computer Systems

SR2300WV2 (3.2GHz Xeon processor w. 2MB L3 cache)

SPECfp_rate2000 = 19.9

SPECfp_rate_base2000 = 20.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	127	29.1	2	127	29.1
171.swim	2	444	16.2	2	444	16.2
172.mgrid	2	295	14.2	2	295	14.2
173.applu	2	365	13.4	2	365	13.4
177.mesa	2	98.1	33.1	2	98.1	33.1
178.galgel	2	138	48.9	2	138	48.9
179.art	2	346	17.4	2	346	17.4
183.equake	2	171	17.7	2	171	17.7
187.facerec	2	176	25.1	2	176	25.1
188.ammp	2	256	19.9	2	259	19.7
189.lucas	2	334	13.9	2	334	13.9
191.fma3d	2	276	17.7	2	276	17.7
200.sixtrack	2	178	14.4	2	182	14.1
301.apsi	2	292	20.7	2	292	20.7

Hardware

CPU:	Intel Xeon processor, 533MHz system bus
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1-2, 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 smp 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.equake: basepeak=yes
     187.facerec: basepeak=yes
        188.ammp: -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
```