CFP2000 Result

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ION Computer Systems

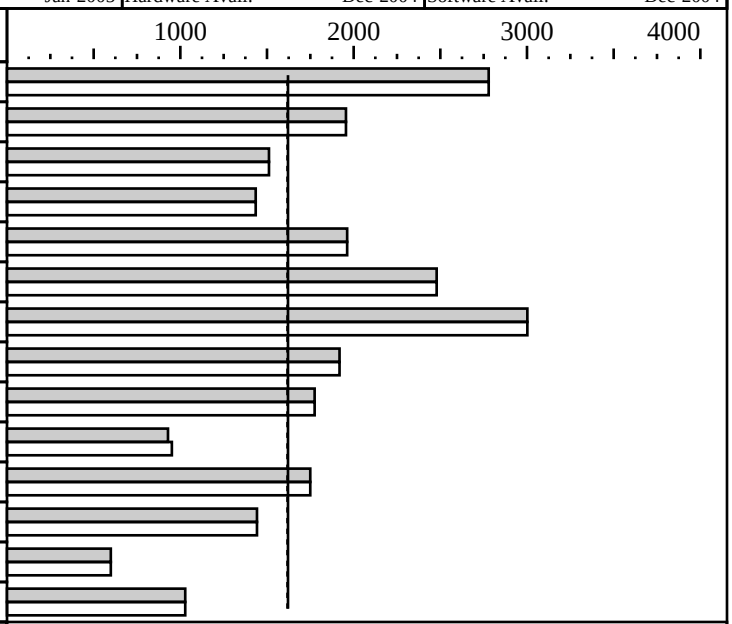
LN10J (3.4GHz Xeon processor w. 1MB L2 cache)

SPECfp2000 = 1621

SPECfp_base2000 = 1618

SPEC license #: 2697 | Tested by: ION | Test date: Jan-2005 | Hardware Avail: Dec-2004 | Software Avail: Dec-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	57.6	2779	57.6	2779
171.swim	3100	159	1956	159	1956
172.mgrid	1800	119	1511	119	1511
173.applu	2100	146	1435	146	1435
177.mesa	1400	71.3	1962	71.3	1962
178.galgel	2900	117	2479	117	2479
179.art	2600	86.6	3002	86.6	3002
183.equake	1300	67.8	1918	67.8	1918
187.facerec	1900	107	1775	107	1775
188.ammp	2200	237	929	231	951
189.lucas	2000	114	1750	114	1750
191.fma3d	2100	146	1442	146	1442
200.sixtrack	1100	184	599	184	599
301.apsi	2600	253	1028	253	1028



Hardware

CPU:	Intel Xeon processor, 800MHz system bus
CPU MHz:	3392
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip, HyperThreading disabled
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	1MB (I+D) on chip
L3 Cache:	None
Other Cache:	None
Memory:	4 GB (4x1GB DDR2-400 DIMMs)
Disk Subsystem:	80GB Seagate SATA disk
Other Hardware:	None

Software

Operating System:	SuSE Linux Professional 9.1 for EM64T, 2.6.4-52-smp x86_64
Compiler:	Intel(R) Fortran Compiler for EM64T, V8.1 (Build 20041123) Intel(R) C Compiler for EM64T, V8.1 (Build 20041123)
File System:	ext3
System State:	Multi-user, run level 3

Notes/Tuning Information

```
HyperThreading disabled in BIOS

Baseline optimization flags:
      C programs: -xP -fast -ansi_alias +FDO
Fortran programs: -xP -fast +FDO

FP Peak optimization flags:
     168.wupwise: basepeak=yes
        171.swim: basepeak=yes
        72.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: -xP -alias_args +FDO
```

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Notes/Tuning Information (Continued)

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

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