CFP2000 Result

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ION

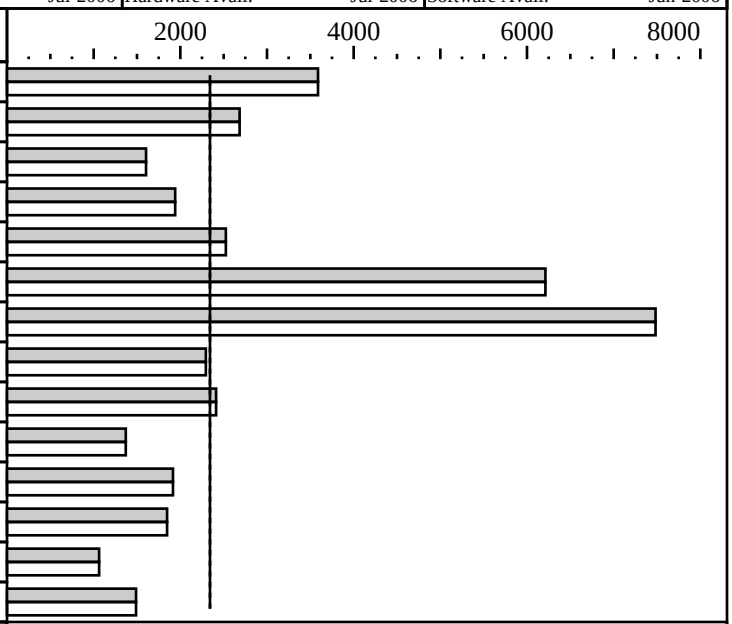
A20 (Intel Xeon processor 5150, 2.66GHz)

SPECfp2000 = 2342

SPECfp_base2000 = 2342

SPEC license #: 2697 | Tested by: ION | Test date: Jul-2006 | Hardware Avail: Jul-2006 | Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	44.6	3589	44.6	3589
171.swim	3100	116	2684	116	2684
172.mgrid	1800	112	1604	112	1604
173.applu	2100	108	1940	108	1940
177.mesa	1400	55.4	2525	55.4	2525
178.galgel	2900	46.7	6213	46.7	6213
179.art	2600	34.7	7483	34.7	7483
183.equake	1300	56.7	2295	56.7	2295
187.facerec	1900	78.8	2413	78.8	2413
188.ammp	2200	161	1371	161	1371
189.lucas	2000	104	1915	104	1915
191.fma3d	2100	114	1847	114	1847
200.sixtrack	1100	104	1063	104	1063
301.apsi	2600	175	1489	175	1489



Hardware

CPU:	Intel Xeon Processor 5150 (1333Mhz System Bus)
CPU MHz:	2666
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1, 2 chips
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	4MB (I+D) on chip, per chip
L3 Cache:	None
Other Cache:	None
Memory:	8 GB (8*1GB PC2 5300 FB-DIMMs)
Disk Subsystem:	1 x 80GB SATA (Seagate ST380817AS Barracuda 7200rpm)
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES 4 Update 3 for x86 (32-bit)
Compiler:	Intel(R) Fortran Compiler for 32-bit apps, V9.1 (Build 20060519Z) Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060519Z)
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

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Tested by ION Computer Systems
 BIOS 1.00 Build 45
   Enhanced SpeedStep Disabled in BIOS
   Hardware Prefetcher Enabled in BIOS (Default)
   Adjacent Cache Line Prefetch Enabled in BIOS (Default)
 kernel 2.6.9-34.0.1.ELsmp
 +FDO: PASS1=-prof_gen  PASS2=-prof_use

    SPEC CFP2000 Baseline optimization flags
          C programs: -fast -ansi_alias +FDO
    Fortran programs: -fast +FDO
 +FDO: PASS1=-prof_gen  PASS2=-prof_use

 SPEC CFP2000 Peak optimization flags:
      basepeak=yes  set globally

 Portability Flags:
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Notes/Tuning Information (Continued)

178.galgel: -FI