CFP2000 Result

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ION

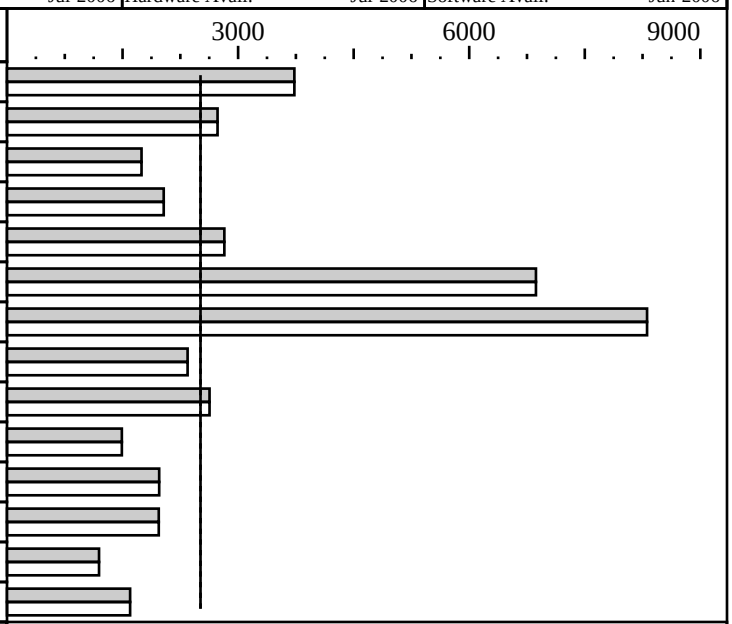
A20 (Intel Xeon processor 5160, 3.0GHz)

SPECfp2000 = 2512

SPECfp_base2000 = 2512

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	42.9	3730	42.9	3730
171.swim	3100	113	2733	113	2733
172.mgrid	1800	103	1746	103	1746
173.applu	2100	103	2034	103	2034
177.mesa	1400	49.6	2821	49.6	2821
178.galgel	2900	42.2	6866	42.2	6866
179.art	2600	31.3	8308	31.3	8308
183.equake	1300	55.5	2344	55.5	2344
187.facerec	1900	72.3	2629	72.3	2629
188.ammp	2200	148	1491	148	1491
189.lucas	2000	101	1975	101	1975
191.fma3d	2100	107	1970	107	1970
200.sixtrack	1100	92.1	1195	92.1	1195
301.apsi	2600	163	1598	163	1598



Hardware

CPU:	Intel Xeon Processor 5160 (1333Mhz System Bus)
CPU MHz:	3000
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