CFP2000 Result

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ION

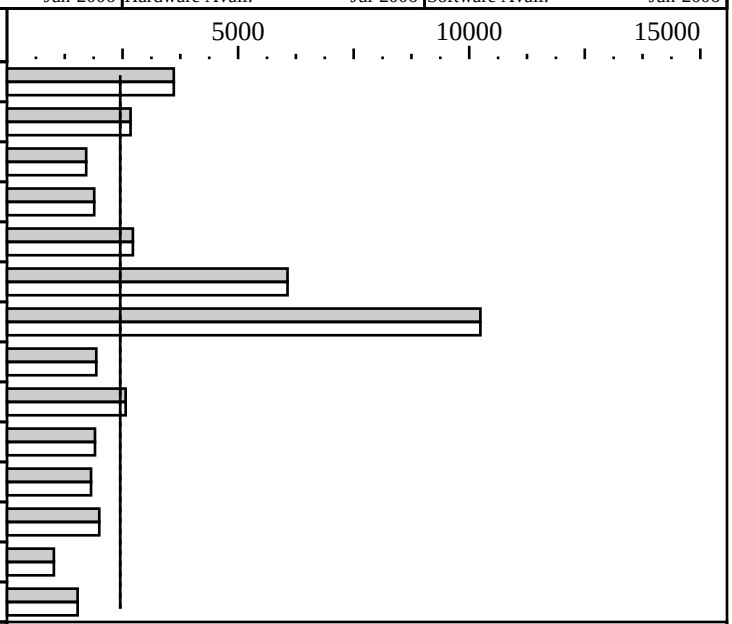
A20 (Intel Xeon processor 5150, 2.66GHz)

SPECfp2000 = 2450

SPECfp_base2000 = 2450

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	44.3	3609	44.3	3609
171.swim	3100	116	2673	116	2673
172.mgrid	1800	105	1713	105	1713
173.applu	2100	111	1887	111	1887
177.mesa	1400	51.4	2723	51.4	2723
178.galgel	2900	47.8	6069	47.8	6069
179.art	2600	25.4	10242	25.4	10242
183.equake	1300	67.3	1932	67.3	1932
187.facerec	1900	74.0	2567	74.0	2567
188.ammp	2200	116	1903	116	1903
189.lucas	2000	110	1818	110	1818
191.fma3d	2100	105	1996	105	1996
200.sixtrack	1100	108	1014	108	1014
301.apsi	2600	170	1528	170	1528



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 400GB SATA, 7200rpm
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES 4 Update 3 for AMD64/Intel EM64T
Compiler:	Intel(R) Fortran Compiler for EM64T, V9.1 (Build 20060519) Intel(R) C++ Compiler for EM64T, V9.1 (Build 20060519)
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