



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.amp	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

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