



CFP2000 Result

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ION
A20 (Intel Xeon processor 5050, 3GHz)

SPECfp2000 = **1396**

SPECfp_base2000 = **1396**

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	65.0	2462	65.0	2462	
171.swim	3100	178	1738	178	1738	
172.mgrid	1800	147	1222	147	1222	
173.applu	2100	164	1277	164	1277	
177.mesa	1400	116	1209	116	1209	
178.galgel	2900	108	2685	108	2685	
179.art	2600	99.1	2625	99.1	2625	
183.earth	1300	79.3	1640	79.3	1640	
187.facerec	1900	147	1294	147	1294	
188.amp	2200	242	910	242	910	
189.lucas	2000	160	1253	160	1253	
191.fma3d	2100	173	1211	173	1211	
200.sixtrack	1100	186	592	186	592	
301.apsi	2600	241	1078	241	1078	

Hardware

CPU: Intel Xeon Processor 5050 (667Mhz System Bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (HyperThreading Technology disabled)
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 12KB(I) + 16KB(D) on chip, per core
 Secondary Cache: 2MB (I+D) on chip, per core
 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 2.00 Build 54
 HyperThreading Technology Disabled in BIOS
 Enhanced SpeedStep Disabled in BIOS
 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:
 178.galgel: -FI