



CFP2000 Result

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ION
A20 (Intel Xeon processor 5130, 2GHz)

SPECfp2000 = **1975**

SPECfp_base2000 = **1975**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	49.0	3262	49.0	3262	
171.swim	3100	116	2679	116	2679	
172.mgrid	1800	137	1313	137	1313	
173.applu	2100	120	1745	120	1745	
177.mesa	1400	71.9	1947	71.9	1947	
178.galgel	2900	60.7	4780	60.7	4780	
179.art	2600	45.4	5731	45.4	5731	
183.quake	1300	59.4	2190	59.4	2190	
187.facerec	1900	95.5	1990	95.5	1990	
188.amp	2200	209	1053	209	1053	
189.lucas	2000	113	1769	113	1769	
191.fma3d	2100	134	1565	134	1565	
200.sixtrack	1100	138	797	138	797	
301.apsi	2600	205	1269	205	1269	

Hardware

CPU: Intel Xeon Processor 5130 (1333Mhz System Bus)
 CPU MHz: 2000
 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 20060706Z)
 Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060706Z)
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

Tested by ION Computer Systems
 BIOS 2.00 Build 54
 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