



CFP2000 Result

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ION
A20 (Intel Xeon processor 5130, 2.0GHz)

SPECfp_rate2000 = 68.4
SPECfp_rate_base2000 = 68.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	73.5	101	4	73.5	101
171.swim	4	272	52.8	4	272	52.8
172.mgrid	4	177	47.2	4	177	47.2
173.applu	4	189	51.5	4	189	51.5
177.mesa	4	69.0	94.2	4	69.0	94.2
178.galgel	4	79.5	169	4	79.5	169
179.art	4	61.9	195	4	61.9	195
183.equake	4	136	44.4	4	136	44.4
187.facerec	4	105	84.1	4	105	84.1
188.amp	4	161	63.6	4	161	63.6
189.lucas	4	182	51.1	4	182	51.1
191.fma3d	4	180	54.1	4	180	54.1
200.sixtrack	4	146	34.9	4	146	34.9
301.apsi	4	224	53.8	4	224	53.8

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 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 20060707)
Intel(R) C++ Compiler for EM64T, V9.1 (Build 20060707)
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