



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

ION

A20 (Intel Xeon processor 5150, 2.66GHz)

SPECfp_rate2000 = 75.1

SPECfp_rate_base2000 = 75.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.6	107	4	69.6	107
171.swim	4	283	50.8	4	283	50.8
172.mgrid	4	203	41.1	4	203	41.1
173.applu	4	185	52.8	4	185	52.8
177.mesa	4	53.4	122	4	53.4	122
178.galgel	4	64.3	209	4	64.3	209
179.art	4	56.8	212	4	56.8	212
183.equake	4	131	45.9	4	131	45.9
187.facerec	4	95.8	92.0	4	95.8	92.0
188.amp	4	131	77.7	4	131	77.7
189.lucas	4	180	51.6	4	180	51.6
191.fma3d	4	164	59.3	4	164	59.3
200.sixtrack	4	111	46.2	4	111	46.2
301.apsi	4	196	61.5	4	196	61.5

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

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:



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

ION

A20 (Intel Xeon processor 5150, 2.66GHz)

SPECfp_rate2000 = 75.1

SPECfp_rate_base2000 = 75.1

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

Notes/Tuning Information (Continued)

178.galgel: -FI