



CFP2000 Result

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ION A20 (Intel Xeon processor 5060, 3.2GHz)

SPECfp2000 = 1690

SPECfp_base2000 = 1690

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	1000 2000 3000 4000			
168.wupwise	1600	49.9	3207	49.9	3207	[Bar chart showing ratio 3207]			
171.swim	3100	122	2541	122	2541	[Bar chart showing ratio 2541]			
172.mgrid	1800	128	1404	128	1404	[Bar chart showing ratio 1404]			
173.applu	2100	133	1573	133	1573	[Bar chart showing ratio 1573]			
177.mesa	1400	104	1345	104	1345	[Bar chart showing ratio 1345]			
178.galgel	2900	95.4	3041	95.4	3041	[Bar chart showing ratio 3041]			
179.art	2600	80.1	3246	80.1	3246	[Bar chart showing ratio 3246]			
183.earth	1300	57.8	2250	57.8	2250	[Bar chart showing ratio 2250]			
187.facerec	1900	122	1554	122	1554	[Bar chart showing ratio 1554]			
188.amp	2200	216	1019	216	1019	[Bar chart showing ratio 1019]			
189.lucas	2000	121	1647	121	1647	[Bar chart showing ratio 1647]			
191.fma3d	2100	141	1485	141	1485	[Bar chart showing ratio 1485]			
200.sixtrack	1100	173	635	173	635	[Bar chart showing ratio 635]			
301.apsi	2600	221	1176	221	1176	[Bar chart showing ratio 1176]			

Hardware

CPU: Intel Xeon Processor 5060 (1066Mhz System Bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (HyperThreading Technology enabled)
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 Enabled in BIOS (Default)
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