



# CFP2000 Result

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**ION**  
A20 (Intel Xeon processor 5060, 3.2GHz)

SPECfp2000 = 1854

SPECfp\_base2000 = 1854

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	48.7	3286	48.7	3286	
171.swim	3100	117	2643	117	2643	
172.mgrid	1800	110	1642	110	1642	
173.applu	2100	123	1705	123	1705	
177.mesa	1400	83.8	1670	83.8	1670	
178.galgel	2900	93.5	3100	93.5	3100	
179.art	2600	46.8	5557	46.8	5557	
183.equake	1300	63.9	2035	63.9	2035	
187.facerec	1900	119	1599	119	1599	
188.amp	2200	180	1224	180	1224	
189.lucas	2000	119	1676	119	1676	
191.fma3d	2100	132	1597	132	1597	
200.sixtrack	1100	175	627	175	627	
301.apsi	2600	214	1214	214	1214	

### 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 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 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 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