CFP2000 Result

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ION

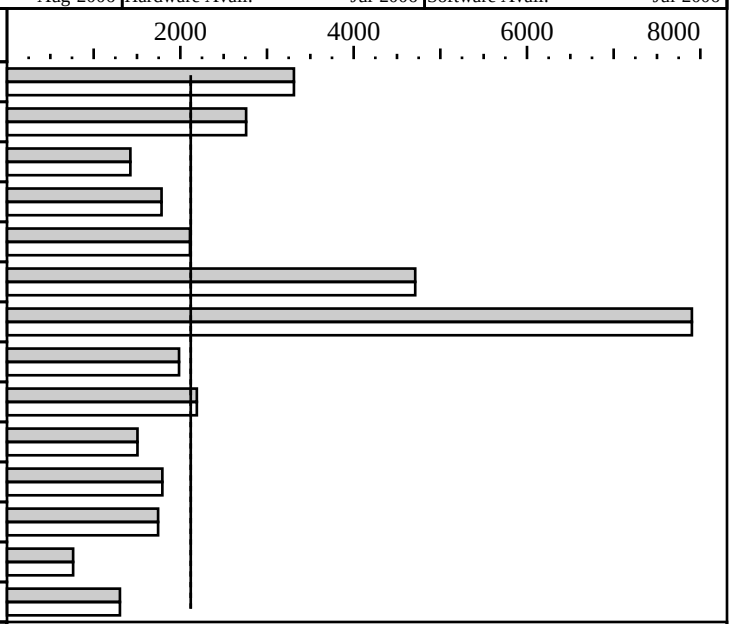
A20 (Intel Xeon processor 5130, 2.0GHz)

SPECfp2000 = 2120

SPECfp_base2000 = 2120

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	48.3	3311	48.3	3311
171.swim	3100	112	2759	112	2759
172.mgrid	1800	126	1424	126	1424
173.applu	2100	118	1783	118	1783
177.mesa	1400	66.3	2111	66.3	2111
178.galgel	2900	61.6	4710	61.6	4710
179.art	2600	32.9	7903	32.9	7903
183.equake	1300	65.5	1985	65.5	1985
187.facerec	1900	86.7	2190	86.7	2190
188.ammp	2200	146	1506	146	1506
189.lucas	2000	112	1793	112	1793
191.fma3d	2100	120	1744	120	1744
200.sixtrack	1100	144	763	144	763
301.apsi	2600	200	1303	200	1303



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

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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
```