CFP2000 Result

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ION

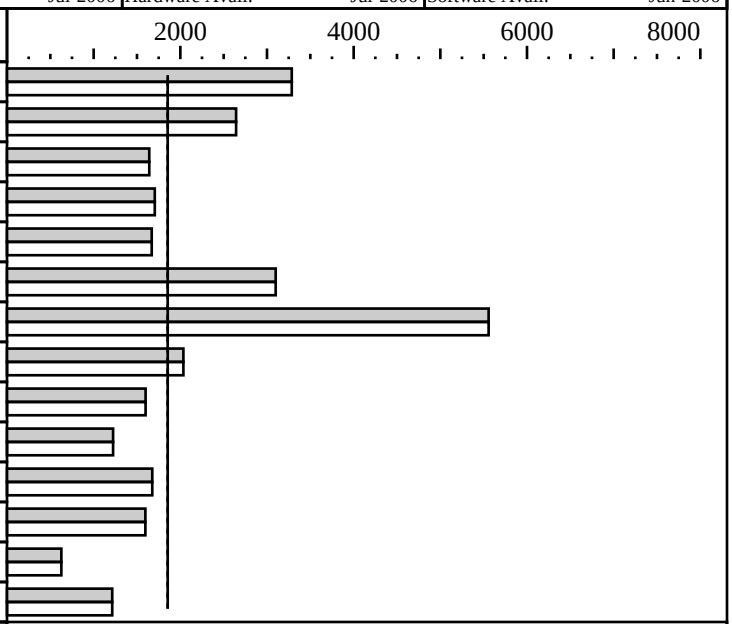
A20 (Intel Xeon processor 5060, 3.2GHz)

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.ammp	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

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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
```