CFP2000 Result

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ION

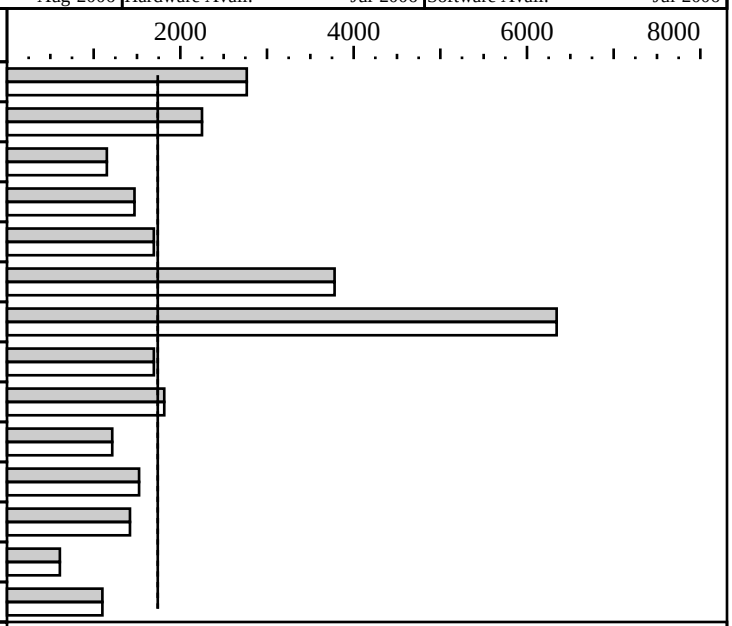
A20 (Intel Xeon processor 5110, 1.6GHz)

SPECfp2000 = 1739

SPECfp_base2000 = 1739

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	57.8	2767	57.8	2767
171.swim	3100	138	2250	138	2250
172.mgrid	1800	156	1152	156	1152
173.applu	2100	143	1471	143	1471
177.mesa	1400	82.6	1694	82.6	1694
178.galgel	2900	76.7	3780	76.7	3780
179.art	2600	41.0	6342	41.0	6342
183.equake	1300	76.7	1695	76.7	1695
187.facerec	1900	105	1814	105	1814
188.ammp	2200	181	1214	181	1214
189.lucas	2000	131	1524	131	1524
191.fma3d	2100	148	1419	148	1419
200.sixtrack	1100	180	610	180	610
301.apsi	2600	236	1101	236	1101



Hardware

CPU:	Intel Xeon Processor 5110 (1066Mhz System Bus)
CPU MHz:	1600
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
```