CFP2000 Result

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ION

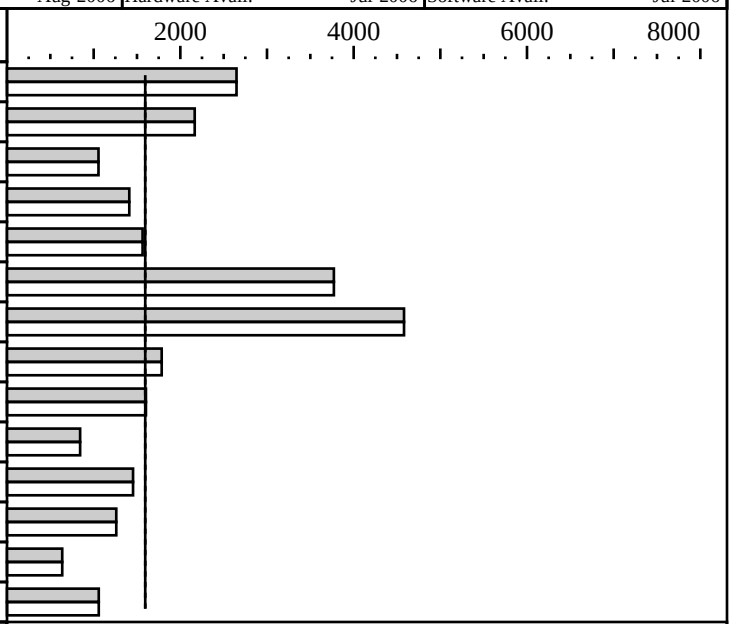
A20 (Intel Xeon processor 5110, 1.6GHz)

SPECfp2000 = 1595

SPECfp_base2000 = 1595

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	60.4	2648	60.4	2648
171.swim	3100	143	2166	143	2166
172.mgrid	1800	170	1056	170	1056
173.applu	2100	149	1411	149	1411
177.mesa	1400	89.5	1564	89.5	1564
178.galgel	2900	76.9	3772	76.9	3772
179.art	2600	56.8	4581	56.8	4581
183.equake	1300	72.8	1785	72.8	1785
187.facerec	1900	119	1603	119	1603
188.ammp	2200	261	844	261	844
189.lucas	2000	138	1454	138	1454
191.fma3d	2100	167	1261	167	1261
200.sixtrack	1100	173	637	173	637
301.apsi	2600	246	1059	246	1059



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 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 20060706Z) Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060706Z)
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

```
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
```