CFP2000 Result

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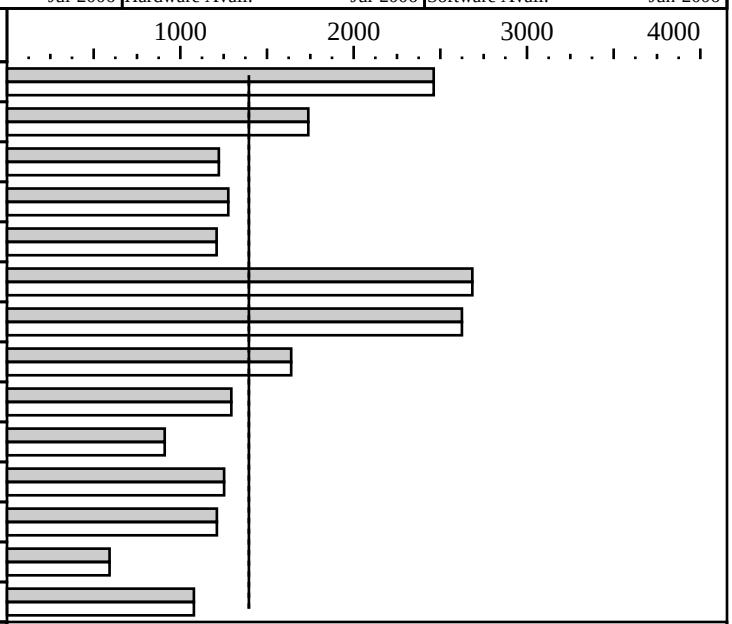
ION
A20 (Intel Xeon processor 5050, 3GHz)

SPECfp2000 = 1396

SPECfp_base2000 = 1396

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	65.0	2462	65.0	2462
171.swim	3100	178	1738	178	1738
172.mgrid	1800	147	1222	147	1222
173.applu	2100	164	1277	164	1277
177.mesa	1400	116	1209	116	1209
178.galgel	2900	108	2685	108	2685
179.art	2600	99.1	2625	99.1	2625
183.equake	1300	79.3	1640	79.3	1640
187.facerec	1900	147	1294	147	1294
188.ammp	2200	242	910	242	910
189.lucas	2000	160	1253	160	1253
191.fma3d	2100	173	1211	173	1211
200.sixtrack	1100	186	592	186	592
301.apsi	2600	241	1078	241	1078



Hardware

CPU:	Intel Xeon Processor 5050 (667Mhz System Bus)
CPU MHz:	3000
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 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 20060519Z) Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060519Z)
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
```