CFP2000 Result

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ION

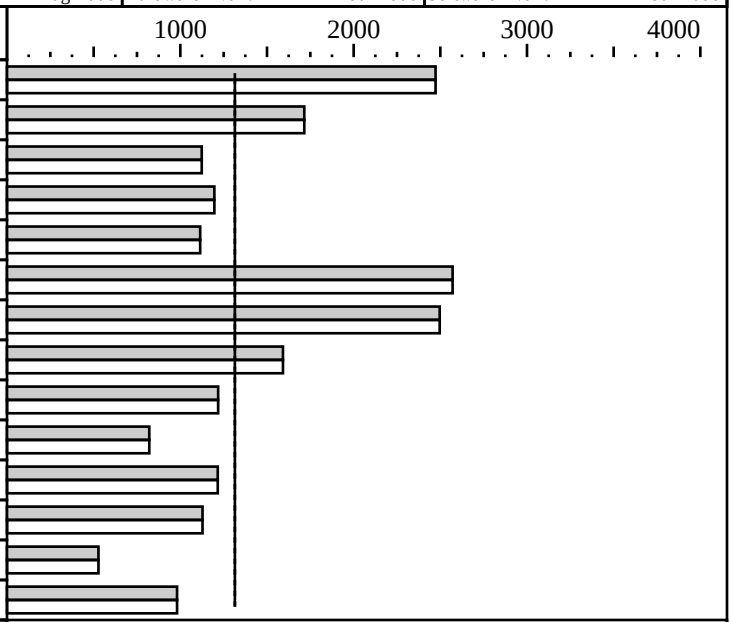
A20 (Intel Xeon processor 5030, 2.67GHz)

SPECfp2000 = 1315

SPECfp_base2000 = 1315

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	64.7	2473	64.7	2473
171.swim	3100	181	1715	181	1715
172.mgrid	1800	160	1123	160	1123
173.applu	2100	176	1196	176	1196
177.mesa	1400	126	1114	126	1114
178.galgel	2900	113	2571	113	2571
179.art	2600	104	2496	104	2496
183.equake	1300	81.7	1592	81.7	1592
187.facerec	1900	156	1218	156	1218
188.ammp	2200	268	821	268	821
189.lucas	2000	164	1216	164	1216
191.fma3d	2100	186	1128	186	1128
200.sixtrack	1100	208	528	208	528
301.apsi	2600	265	981	265	981



Hardware

CPU:	Intel Xeon Processor 5030 (667Mhz System Bus)
CPU MHz:	2667
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip, Hyper-Threading Technology disabled
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	12k (I) micro-ops + 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 20060706Z) Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060706Z)
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

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Tested by ION Computer Systems
 BIOS 2.00 Build 54
   Hyper-Threading 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

 SPEC CFP2000 Peak optimization flags:
      basepeak=yes  set globally

 Portability Flags:
   178.galgel:  -FI
```