CFP2000 Result

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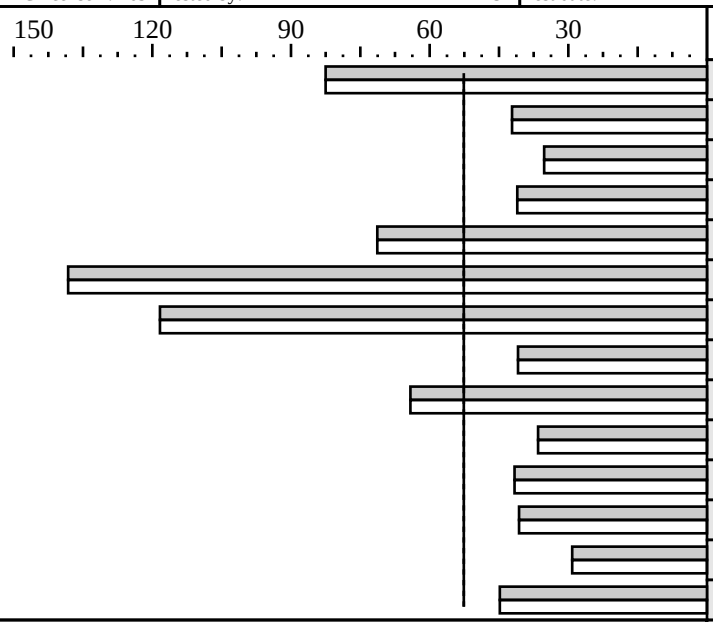
ION

A20 (Intel Xeon processor 5110, 1.6GHz)

SPECfp_rate2000 = 52.6

SPECfp_rate_base2000 = 52.6

SPEC license #: 2697 | Tested by: ION | Test date: Aug-2006 | Hardware Avail: Jul-2006 | Software Avail: Jul-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	90.0	82.5	4	90.0	82.5
171.swim	4	341	42.2	4	341	42.2
172.mgrid	4	237	35.2	4	237	35.2
173.applu	4	237	41.0	4	237	41.0
177.mesa	4	91.1	71.3	4	91.1	71.3
178.galgel	4	97.4	138	4	97.4	138
179.art	4	102	118	4	102	118
183.equake	4	148	40.9	4	148	40.9
187.facerec	4	137	64.2	4	137	64.2
188.ammp	4	279	36.5	4	279	36.5
189.lucas	4	223	41.6	4	223	41.6
191.fma3d	4	240	40.7	4	240	40.7
200.sixtrack	4	175	29.2	4	175	29.2
301.apsi	4	269	44.8	4	269	44.8

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

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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
```