CFP2000 Result

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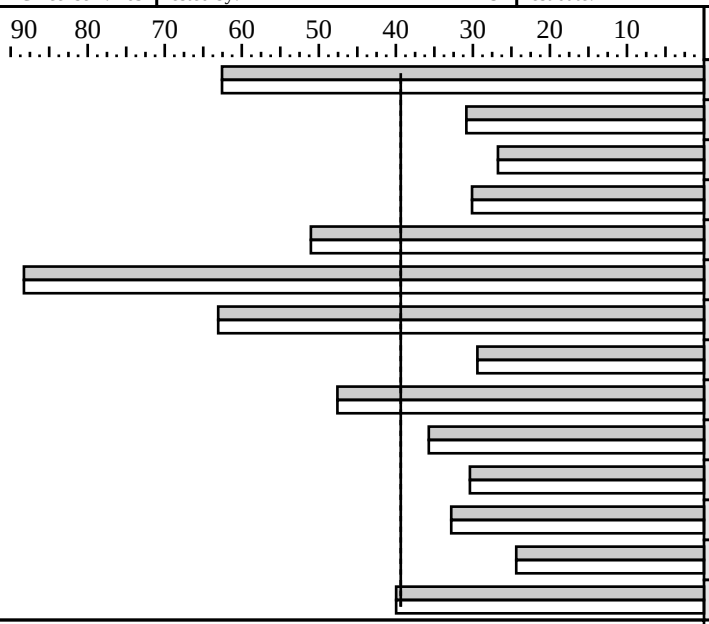
ION

A20 (Intel Xeon processor 5030, 2.67GHz)

SPECfp_rate2000 = 39.4

SPECfp_rate_base2000 = 39.4

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	119	62.6	4	119	62.6
171.swim	4	466	30.8	4	466	30.8
172.mgrid	4	312	26.7	4	312	26.7
173.applu	4	324	30.1	4	324	30.1
177.mesa	4	127	51.0	4	127	51.0
178.galgel	4	152	88.3	4	152	88.3
179.art	4	191	63.1	4	191	63.1
183.equake	4	205	29.4	4	205	29.4
187.facerec	4	185	47.6	4	185	47.6
188.ammp	4	286	35.7	4	286	35.7
189.lucas	4	305	30.4	4	305	30.4
191.fma3d	4	297	32.8	4	297	32.8
200.sixtrack	4	209	24.4	4	209	24.4
301.apsi	4	302	40.0	4	302	40.0

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
```