CFP2000 Result

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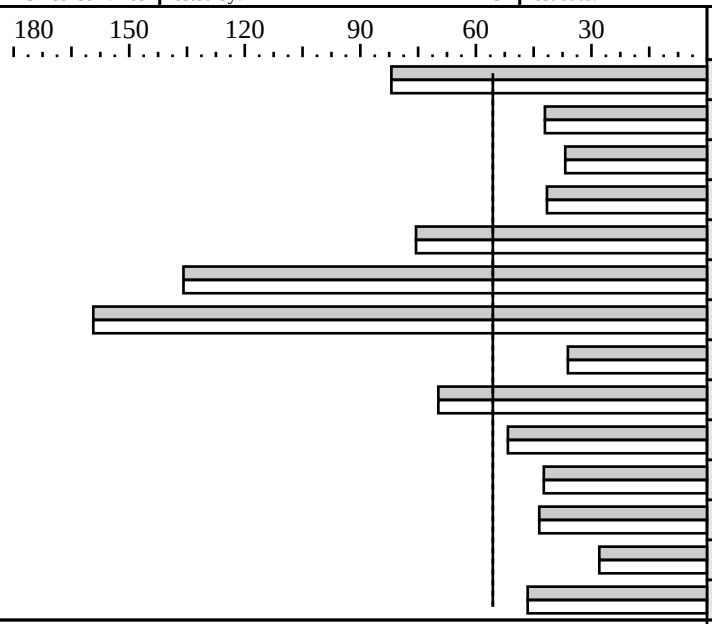
ION

A20 (Intel Xeon processor 5110, 1.6GHz)

SPECfp_rate2000 = 55.6

SPECfp_rate_base2000 = 55.6

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	90.6	81.9	4	90.6	81.9
171.swim	4	342	42.1	4	342	42.1
172.mgrid	4	227	36.8	4	227	36.8
173.applu	4	235	41.5	4	235	41.5
177.mesa	4	86.0	75.5	4	86.0	75.5
178.galgel	4	99.0	136	4	99.0	136
179.art	4	75.7	159	4	75.7	159
183.equake	4	167	36.1	4	167	36.1
187.facerec	4	126	69.7	4	126	69.7
188.ammp	4	197	51.7	4	197	51.7
189.lucas	4	219	42.4	4	219	42.4
191.fma3d	4	224	43.5	4	224	43.5
200.sixtrack	4	183	28.0	4	183	28.0
301.apsi	4	259	46.6	4	259	46.6

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 400GB SATA, 7200rpm
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES 4 Update 3 for AMD64/Intel EM64T
Compiler:	Intel(R) Fortran Compiler for EM64T, V9.1 (Build 20060707) Intel(R) C++ Compiler for EM64T, V9.1 (Build 20060707)
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
```