CFP2000 Result

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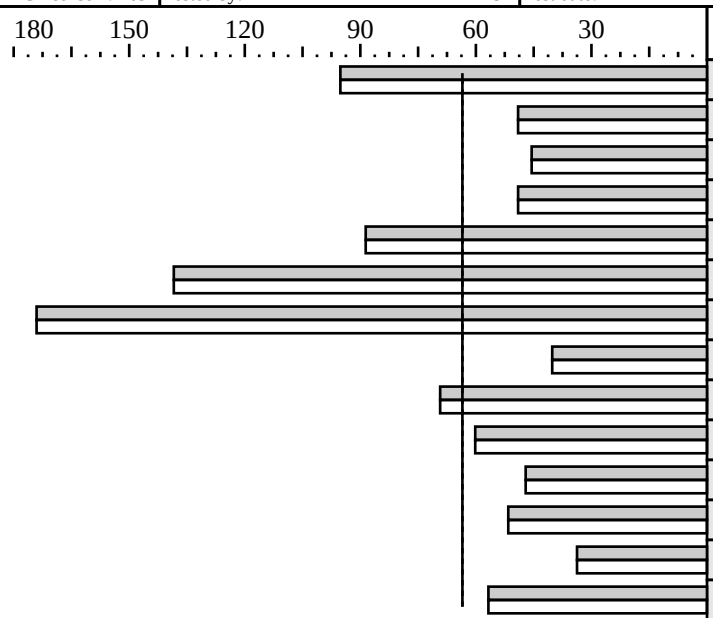
ION

A20 (Intel Xeon processor 5080, 3.73GHz)

SPECfp_rate2000 = 63.5

SPECfp_rate_base2000 = 63.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	78.0	95.2	4	78.0	95.2
171.swim	4	293	49.0	4	293	49.0
172.mgrid	4	183	45.5	4	183	45.5
173.applu	4	199	49.0	4	199	49.0
177.mesa	4	73.3	88.6	4	73.3	88.6
178.galgel	4	97.2	138	4	97.2	138
179.art	4	69.3	174	4	69.3	174
183.equake	4	150	40.2	4	150	40.2
187.facerec	4	127	69.3	4	127	69.3
188.ammp	4	170	60.2	4	170	60.2
189.lucas	4	197	47.1	4	197	47.1
191.fma3d	4	189	51.6	4	189	51.6
200.sixtrack	4	151	33.7	4	151	33.7
301.apsi	4	213	56.7	4	213	56.7

Hardware

CPU:	Intel Xeon Processor 5080 (1066Mhz System Bus)
CPU MHz:	3733
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 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 20060519) Intel(R) C++ Compiler for EM64T, V9.1 (Build 20060519)
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
```