CFP2000 Result

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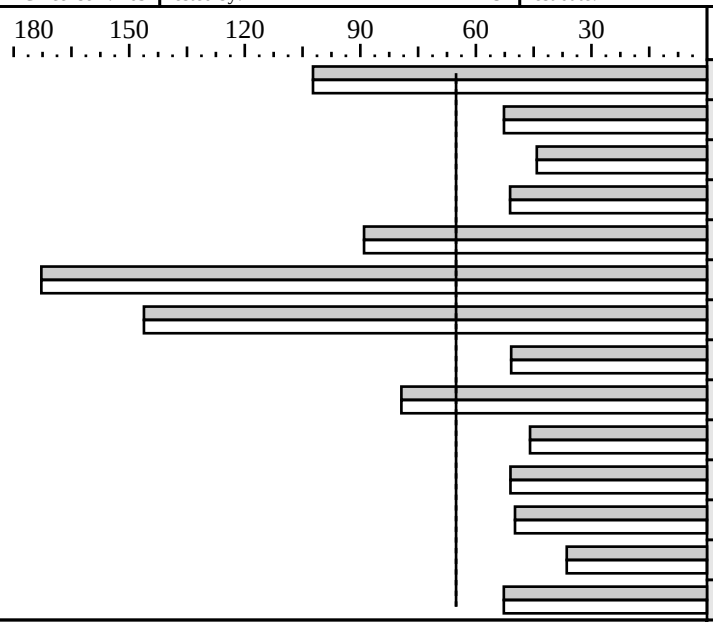
ION
A20 (Intel Xeon processor 5130, 2GHz)

SPECfp_rate2000 = 65.1

SPECfp_rate_base2000 = 65.1

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	72.6	102	4	72.6	102
171.swim	4	273	52.7	4	273	52.7
172.mgrid	4	189	44.2	4	189	44.2
173.applu	4	191	51.1	4	191	51.1
177.mesa	4	73.0	89.0	4	73.0	89.0
178.galgel	4	77.9	173	4	77.9	173
179.art	4	82.5	146	4	82.5	146
183.equake	4	119	50.8	4	119	50.8
187.facerec	4	111	79.3	4	111	79.3
188.ammp	4	222	45.9	4	222	45.9
189.lucas	4	182	51.0	4	182	51.0
191.fma3d	4	195	49.8	4	195	49.8
200.sixtrack	4	140	36.4	4	140	36.4
301.apsi	4	229	52.7	4	229	52.7

Hardware

CPU:	Intel Xeon Processor 5130 (1333Mhz System Bus)
CPU MHz:	2000
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
```