CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

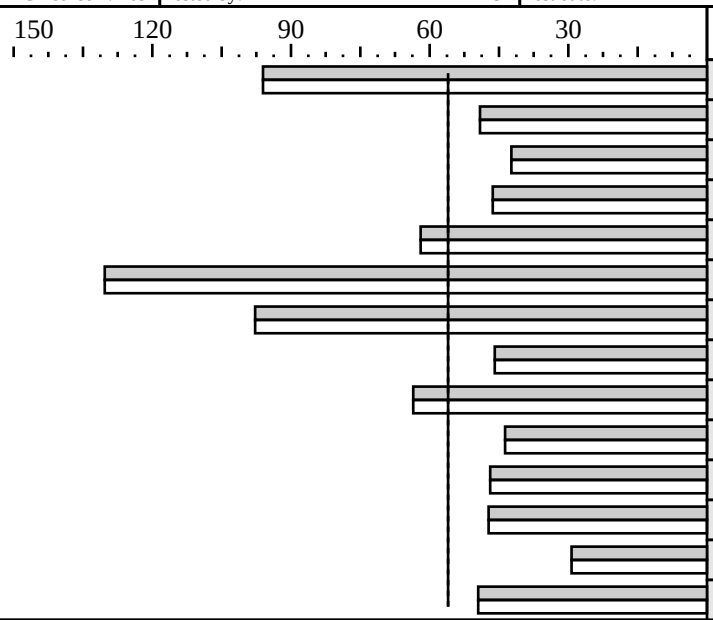
ION

A20 (Intel Xeon processor 5060, 3.2GHz)

SPECfp_rate2000 = 56.0

SPECfp_rate_base2000 = 56.0

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	77.3	96.1	4	77.3	96.1
171.swim	4	293	49.1	4	293	49.1
172.mgrid	4	197	42.3	4	197	42.3
173.applu	4	210	46.3	4	210	46.3
177.mesa	4	105	62.0	4	105	62.0
178.galgel	4	103	130	4	103	130
179.art	4	123	97.8	4	123	97.8
183.equake	4	131	45.9	4	131	45.9
187.facerec	4	139	63.6	4	139	63.6
188.ammp	4	234	43.7	4	234	43.7
189.lucas	4	198	46.9	4	198	46.9
191.fma3d	4	206	47.2	4	206	47.2
200.sixtrack	4	174	29.3	4	174	29.3
301.apsi	4	244	49.5	4	244	49.5

Hardware

CPU:	Intel Xeon Processor 5060 (1066Mhz System Bus)
CPU MHz:	3200
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 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

```
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
```