



CFP2000 Result

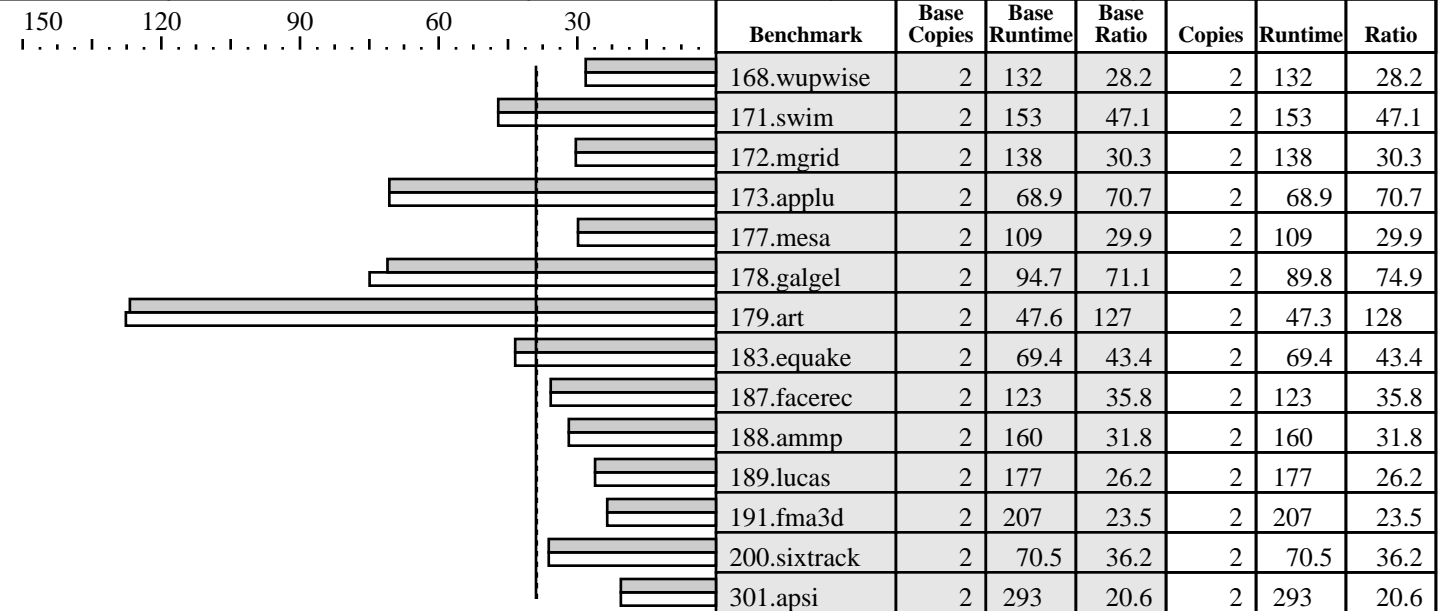
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ION
I2X2 (1.6GHz Itanium 2 processor)

SPECfp_rate2000 = 38.9

SPECfp_rate_base2000 = 38.8

SPEC license #: 2697 | Tested by: ION | Test date: May-2004 | Hardware Avail: May-2004 | Software Avail: Apr-2004



Hardware

CPU: Intel Itanium 2
 CPU MHz: 1596
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
 CPU(s) orderable: 1-2
 Parallel: No
 Primary Cache: 16KBI + 16KBD per core (on chip)
 Secondary Cache: 256KB (I+D) per core (on chip)
 L3 Cache: 3072KB (I+D) per core (on chip)
 Other Cache: N/A
 Memory: 8 GB (8x1024KB DDR266, 2.5-3-3 DIMMs)
 Disk Subsystem: 1x 18GB SCSI (Seagate Cheetah 10k rpm)
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux AS 2.1, smp kernel, 2.4.18-e.43
 Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20040416)
 Intel(R) C++ Compiler for Linux 8.0 (Build 20040416)
 MicroQuill SmartHeap library 7.01
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

Baseline optimization flags:

C programs: PASS1=-prof_gen PASS2=-fast -auto_ilp32 -ansi_alias -prof_use
 Fortran programs: PASS1=-prof_gen PASS2=-fast -prof_use

FP Peak optimization flags:

168.wupwise: basepeak=yes
 171.swim: basepeak=yes
 172.mgrid: basepeak=yes
 173.applu: basepeak=yes
 177.mesa: basepeak=yes



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Notes/Tuning Information (Continued)

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178.galgel: PASS1=-prof_gen PASS2=-O3 -ipo -prof_use
179.art: PASS1=-prof_gen PASS2=-O3 -ipo -ansi_alias -prof_use
183.quake: basepeak=yes
187.facerec: basepeak=yes
188.amp: basepeak=yes
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: basepeak=yes
```

Portability Flags:
178.galgel: -FI