



CFP2000 Result

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SGI

SGI Altix 350 (1400MHz/3MB, Itanium 2)

SPECfp_rate2000 = 38.3

SPECfp_rate_base2000 = 38.0

SPEC license #: 4 | Tested by: SGI | Test date: Apr-2004 | Hardware Avail: May-2004 | Software Avail: Jun-2004

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 2 | 128 | 28.9 | 2 | 128 | 28.9 |
| 171.swim | 2 | 142 | 50.5 | 2 | 142 | 50.5 |
| 172.mgrid | 2 | 124 | 33.6 | 2 | 124 | 33.8 |
| 173.applu | 2 | 70.8 | 68.8 | 2 | 70.8 | 68.8 |
| 177.mesa | 2 | 121 | 26.8 | 2 | 121 | 26.8 |
| 178.galgel | 2 | 94.3 | 71.3 | 2 | 94.3 | 71.3 |
| 179.art | 2 | 53.6 | 112 | 2 | 53.6 | 112 |
| 183.quake | 2 | 63.8 | 47.3 | 2 | 63.8 | 47.3 |
| 187.facerec | 2 | 129 | 34.3 | 2 | 129 | 34.3 |
| 188.amp | 2 | 179 | 28.6 | 2 | 179 | 28.6 |
| 189.lucas | 2 | 178 | 26.1 | 2 | 171 | 27.1 |
| 191.fma3d | 2 | 211 | 23.0 | 2 | 211 | 23.0 |
| 200.sixtrack | 2 | 80.4 | 31.7 | 2 | 80.4 | 31.7 |
| 301.apsi | 2 | 294 | 20.5 | 2 | 274 | 22.0 |

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
 CPU(s) orderable: 2-16
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on chip) per core
 Secondary Cache: 256KB (on chip) per core
 L3 Cache: 3.0MB (on chip) per core
 Other Cache: N/A
 Memory: 8 GB (16*512MB PC2100 DIMMS per 2core module)
 Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v3.0
 Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20040318)
 Intel(R) C++ Compiler for Linux 8.0 (Build 20040318)
 File System: xfs
 System State: Single-user

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use

Baseline optimization flags:

C programs: -ipo -O3 +FDO -ansi_alias
 Fortran programs: -ipo -O3 +FDO

Portability Flags:

178.galgel: -FI

Peak optimization flags:

168.wupwise: basepeak=yes
 171.swim: basepeak=yes
 172.mgrid: -O3 -ipo
 173.applu: basepeak=yes
 177.mesa: basepeak=yes
 178.galgel: basepeak=yes
 179.art: basepeak=yes



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Notes/Tuning Information (Continued)

183.equake: basepeak=yes
187.facerec: basepeak=yes
188.ammp: basepeak=yes
189.lucas: -O3 -ipo
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: -O3 -ipo

Processes were bound to CPUs using dplace.