# CFP2000 Result

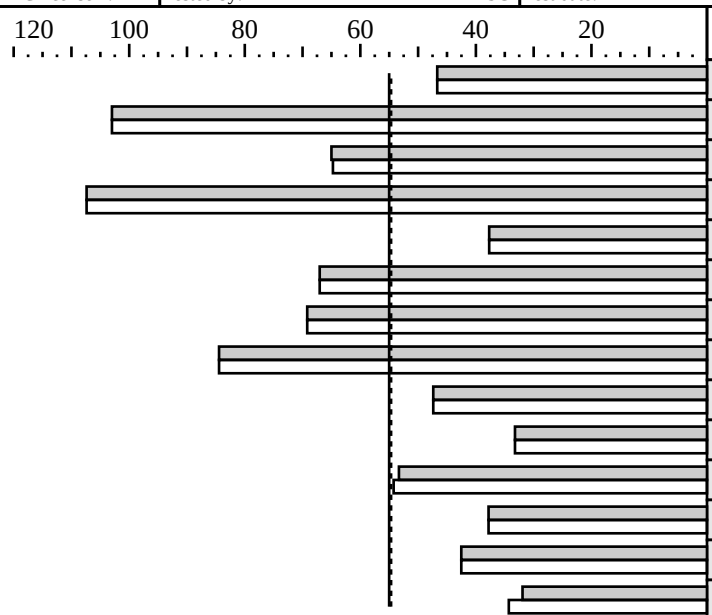
Copyright ©1999-2004, Standard Performance Evaluation Corporation

## SGI
## SGI Altix 350 (1000MHz, Itanium 2)

SPECfp_rate2000 = 55.0

SPECfp_rate_base2000 = 54.7

SPEC license #: 4 | Tested by: SGI | Test date: Feb-2004 | Hardware Avail: Jan-2004 | Software Avail: Jan-2004




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 4 | 159 | 46.7 | 4 | 159 | 46.7 |
| 171.swim | 4 | 140 | 103 | 4 | 140 | 103 |
| 172.mgrid | 4 | 128 | 65.0 | 4 | 129 | 64.7 |
| 173.applu | 4 | 90.7 | 107 | 4 | 90.7 | 107 |
| 177.mesa | 4 | 172 | 37.7 | 4 | 172 | 37.7 |
| 178.galgel | 4 | 201 | 67.0 | 4 | 201 | 67.0 |
| 179.art | 4 | 174 | 69.2 | 4 | 174 | 69.2 |
| 183.equake | 4 | 71.4 | 84.5 | 4 | 71.4 | 84.5 |
| 187.facerec | 4 | 186 | 47.4 | 4 | 186 | 47.4 |
| 188.ammp | 4 | 307 | 33.2 | 4 | 307 | 33.2 |
| 189.lucas | 4 | 174 | 53.3 | 4 | 171 | 54.2 |
| 191.fma3d | 4 | 258 | 37.8 | 4 | 258 | 37.8 |
| 200.sixtrack | 4 | 120 | 42.5 | 4 | 120 | 42.5 |
| 301.apsi | 4 | 378 | 31.9 | 4 | 352 | 34.3 |

### Hardware

| | |
|---|---|
| CPU: | Intel Itanium 2 |
| CPU MHz: | 1000 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 4 chips, 1 core/chip |
| CPU(s) orderable: | 2-16 |
| Parallel: | No |
| Primary Cache: | 16KBI + 16KBD (on chip) per CPU |
| Secondary Cache: | 256KB (on chip) per CPU |
| L3 Cache: | 1.5MB (on chip) per CPU |
| Other Cache: | N/A |
| Memory: | 8 GB (8*512MB PC2700 DIMMS per 2cpu module) |
| Disk Subsystem: | 1 x 36 GB SCSI (Seagate Cheetah 15k rpm) |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | SGI ProPack(TM) v2.4 |
| Compiler: | Intel(R) Fortran Compiler for Linux 8.0 (Build 20040101)<br>Intel(R) C++ Compiler for Linux 8.0 (Build 20040101) |
| 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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation



## 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.
```