



CFP2000 Result

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SGI

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

SPECfp_rate2000 = 148

SPECfp_rate_base2000 = 147

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	8	131	114	8	131	114
171.swim	8	140	205	8	140	205
172.mgrid	8	125	133	8	124	134
173.applu	8	71.2	274	8	71.2	274
177.mesa	8	123	106	8	123	106
178.galgel	8	102	263	8	102	263
179.art	8	66.8	361	8	66.8	361
183.equake	8	64.0	189	8	64.0	189
187.facerec	8	135	130	8	135	130
188.amp	8	189	108	8	189	108
189.lucas	8	179	104	8	176	105
191.fma3d	8	213	91.5	8	213	91.5
200.sixtrack	8	81.9	125	8	81.9	125
301.apsi	8	297	81.2	8	278	86.9

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1400
 FPU: Integrated
 CPU(s) enabled: 8 cores, 8 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: 32 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.ammmp: 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.