



CFP2000 Result

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**Bull
NovaScale 5160 (1400MHz)**

SPECfp_rate2000 = 203

SPECfp_rate_base2000 = 201

SPEC license #: 20 | Tested by: JFL | Test date: Jul-2003 | Hardware Avail: Sep-2003 | Software Avail: Sep-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	163	182	16	163	182
171.swim	16	342	168	16	342	168
172.mgrid	16	291	115	16	291	115
173.applu	16	127	306	16	127	306
177.mesa	16	139	187	16	139	187
178.galgel	16	101	535	16	101	535
179.art	16	70.9	681	16	70.9	681
183.equake	16	165	146	16	165	146
187.facerec	16	178	199	16	178	199
188.amp	16	231	177	16	231	177
189.lucas	16	331	112	16	328	113
191.fma3d	16	312	125	16	312	125
200.sixtrack	16	85.0	240	16	85.0	240
301.apsi	16	335	144	16	308	157

Hardware

CPU: Itanium 2 processor 1400 MHz
 CPU MHz: 1400
 FPU: Integrated
 CPU(s) enabled: 16 cores, 16 chips, 1 core/chip
 CPU(s) orderable: 4 to 16
 Parallel: No
 Primary Cache: 16KBI + 16KBD on chip
 Secondary Cache: 256KB(I+D) on chip
 L3 Cache: 4MB (I+D) off chip
 Other Cache: N/A
 Memory: 64 GB (4 * 16 * 1GB DIMMs)
 Disk Subsystem: 1 SJ0812 Disk drawer with
 2 15krpm 36GB SCSI disks
 Other Hardware:

Software

Operating System: Linux 64 bit : Red Hat Advanced Server 2.1 + Bull expansion Pack
 Compiler: Intel(R) Fortran Compiler for Linux 7.1 (Build 20030605)
 Intel(R) C++ Compiler for Linux 7.1 (Build 20030605)
 File System: ext2
 System State: multi 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



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Notes/Tuning Information (Continued)

179.art: basepeak=yes
183.quake: basepeak=yes
187.facerec: basepeak=yes
188.amp: basepeak=yes
189.lucas: -O3 -ipo
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: -O3 -ipo