



CFP2000 Result

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Bull
NovaScale 6160 (1500MHz)

SPECfp_rate2000 = 261

SPECfp_rate_base2000 = 261

SPEC license #: 20 | Tested by: Bull | Test date: Feb-2005 | Hardware Avail: Nov-2004 | Software Avail: Nov-2004

4000	3000	2000	1000	Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
				168.wupwise	16	116	257	16	116	257
				171.swim	16	292	197	16	292	197
				172.mgrid	16	248	134	16	248	134
				173.applu	16	97.2	401	16	97.2	401
				177.mesa	16	125	208	16	125	208
				178.galgel	16	62.9	855	16	62.9	855
				179.art	16	22.6	2139	16	22.6	2139
				183.quake	16	137	176	16	137	176
				187.facerec	16	177	199	16	177	199
				188.amp	16	173	236	16	173	236
				189.lucas	16	288	129	16	288	129
				191.fma3d	16	267	146	16	267	146
				200.sixtrack	16	73.8	277	16	73.8	277
				301.apsi	16	307	157	16	307	157

Hardware

CPU: Itanium 2 processor 1500 MHz
 CPU MHz: 1500
 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, per core
 Secondary Cache: 256KB(I+D) on chip, per core
 L3 Cache: 4.0 MB (I+D) on chip, per core
 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: Bull Advanced Server 2 V3 (linux kernel 2.6.4, glibc 2.2.4)
 Compiler: Intel(R) Fortran Compiler for Linux 8.1 (Build 20041021)
 Intel(R) C++ Compiler for Linux 8.1 (Build 20041123)
 File System: ext3
 System State: Multi User

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use

Baseline optimization flags:

C programs: -fast -ansi_alias -IPF_fp_relaxed +FDO
 Fortran programs: -fast -IPF_fp_relaxed + FDO

Portability Flags:

178.galgel: -FI

Peak optimization flags: basepeak=yes

Processes were bound to CPUs using pexec