



CFP2000 Result

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**Bull
NovaScale 6160 (1600MHz)**

SPECfp_rate2000 = 266

SPECfp_rate_base2000 = 266

SPEC license #: 20 | Tested by: Allaoua Ait Eldjoudi | Test date: Nov-2004 | 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	114	261	16	114	261
				171.swim	16	293	196	16	293	196
				172.mgrid	16	256	131	16	256	131
				173.applu	16	96.0	406	16	96.0	406
				177.mesa	16	113	229	16	113	229
				178.galgel	16	51.0	1055	16	51.0	1055
				179.art	16	21.7	2219	16	21.7	2219
				183.equake	16	137	177	16	137	177
				187.facerec	16	156	226	16	156	226
				188.ampm	16	213	191	16	213	191
				189.lucas	16	288	129	16	288	129
				191.fma3d	16	255	153	16	255	153
				200.sixtrack	16	86.0	237	16	86.0	237
				301.apsi	16	287	168	16	287	168

Hardware

CPU: Itanium 2 processor 1600 MHz
CPU MHz: 1600
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: 9.0MB (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 20041021)
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