



CFP2000 Result

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Bull
NovaScale 4040 (1600MHz)

SPECfp_rate2000 = 78.8

SPECfp_rate_base2000 = 78.8

SPEC license #: 20 | Tested by: Allaoua Ait Eldjoudi | Test date: Nov-2004 | Hardware Avail: Nov-2004 | Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	104	71.0	4	104	71.0
171.swim	4	269	53.5	4	269	53.5
172.mgrid	4	217	38.4	4	217	38.4
173.applu	4	81.8	119	4	81.8	119
177.mesa	4	108	60.2	4	108	60.2
178.galgel	4	38.6	348	4	38.6	348
179.art	4	20.7	583	4	20.7	583
183.equake	4	103	58.7	4	103	58.7
187.facerec	4	108	81.5	4	108	81.5
188.amp	4	131	78.1	4	131	78.1
189.lucas	4	270	34.4	4	270	34.4
191.fma3d	4	239	40.8	4	239	40.8
200.sixtrack	4	69.3	73.6	4	69.3	73.6
301.apsi	4	278	43.4	4	278	43.4

Hardware

CPU: Itanium 2 processor 1600 MHz
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
 CPU(s) orderable: 1 to 4
 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: 8 GB (16 * 512MB DIMMs DDR 266)
 Disk Subsystem: 1 SCSI Maxtor 10krpm
 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: Single 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