



CFP2000 Result

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**Bull
NovaScale 4040 (1600MHz)**

SPECfp2000 = 2566

SPECfp_base2000 = 2566

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	79.0	2027	79.0	2027	
171.swim	3100	76.6	4045	76.6	4045	
172.mgrid	1800	73.7	2442	73.7	2442	
173.applu	2100	51.8	4052	51.8	4052	
177.mesa	1400	107	1310	107	1310	
178.galgel	2900	38.4	7552	38.4	7552	
179.art	2600	20.6	12619	20.6	12619	
183.quake	1300	43.1	3017	43.1	3017	
187.facerec	1900	87.7	2167	87.7	2167	
188.amp	2200	130	1688	130	1688	
189.lucas	2000	113	1769	113	1769	
191.fma3d	2100	137	1538	137	1538	
200.sixtrack	1100	68.5	1605	68.5	1605	
301.apsi	2600	237	1099	237	1099	

Hardware

CPU: Itanium 2 processor 1600 MHz
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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

4 CPU machine with only 1 CPU enabled thanks to boot Linux
 with option maxcpus=0 (ie=UP kernel) in elilo.conf