



CFP2000 Result

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**Bull
NovaScale 6320 (1600MHz)**

SPECfp_rate2000 = 510

SPECfp_rate_base2000 = 510

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 | 32 | 115 | 517 | 32 | 115 | 517 |
| 171.swim | 32 | 295 | 390 | 32 | 295 | 390 |
| 172.mgrid | 32 | 258 | 259 | 32 | 258 | 259 |
| 173.applu | 32 | 96.8 | 806 | 32 | 96.8 | 806 |
| 177.mesa | 32 | 114 | 456 | 32 | 114 | 456 |
| 178.galgel | 32 | 52.4 | 2054 | 32 | 52.4 | 2054 |
| 179.art | 32 | 23.2 | 4156 | 32 | 23.2 | 4156 |
| 183.quake | 32 | 137 | 352 | 32 | 137 | 352 |
| 187.facerec | 32 | 156 | 452 | 32 | 156 | 452 |
| 188.amp | 32 | 217 | 376 | 32 | 217 | 376 |
| 189.lucas | 32 | 291 | 255 | 32 | 291 | 255 |
| 191.fma3d | 32 | 257 | 303 | 32 | 257 | 303 |
| 200.sixtrack | 32 | 124 | 330 | 32 | 124 | 330 |
| 301.apsi | 32 | 303 | 319 | 32 | 303 | 319 |

Hardware

CPU: Itanium 2 processor 1600 MHz
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 32 cores, 32 chips, 1 core/chip
 CPU(s) orderable: 4 to 32
 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: 128 GB (8 * 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