CFP2000 Result

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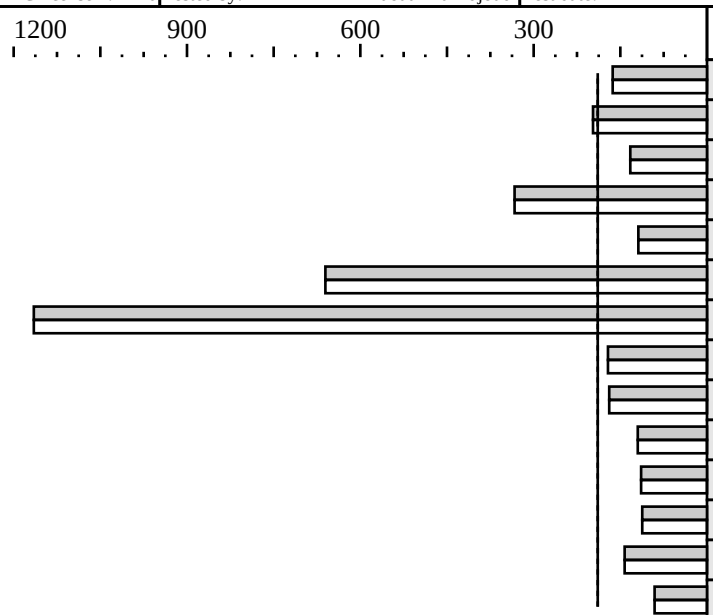
Bull
NovaScale 6160 HPC 8 way (1600MHz)

SPECfp_rate2000 = 189

SPECfp_rate_base2000 = 189

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	8	91.0	163	8	91.0	163
171.swim	8	146	197	8	146	197
172.mgrid	8	126	133	8	126	133
173.applu	8	58.5	333	8	58.5	333
177.mesa	8	109	119	8	109	119
178.galgel	8	40.7	660	8	40.7	660
179.art	8	20.7	1165	8	20.7	1165
183.equake	8	70.4	171	8	70.4	171
187.facerec	8	104	169	8	104	169
188.ammp	8	170	120	8	170	120
189.lucas	8	163	114	8	163	114
191.fma3d	8	174	112	8	174	112
200.sixtrack	8	71.6	143	8	71.6	143
301.apsi	8	266	90.7	8	266	90.7

Hardware

CPU:	Itanium 2 processor 1600 MHz
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	4 to 8
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
16 CPU machine with only 8 CPU enabled
8 CPU disabled by service processor before booting
Processes were bound to CPUs using pexec
```