CFP2000 Result

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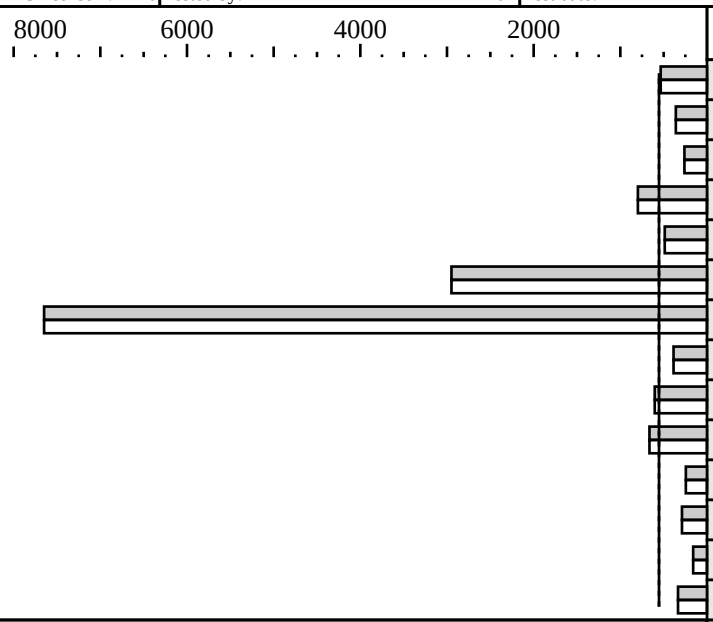
Bull
NovaScale 5325 (1600MHz)

SPECfp_rate2000 = 554

SPECfp_rate_base2000 = 554

SPEC license #: 20 | Tested by: Bull | Test date: Jun-2006 | Hardware Avail: Aug-2006 | Software Avail: Jun-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	32	111	534	32	111	534
171.swim	32	320	360	32	320	360
172.mgrid	32	257	260	32	257	260
173.applu	32	97.8	797	32	97.8	797
177.mesa	32	107	487	32	107	487
178.galgel	32	36.5	2948	32	36.5	2948
179.art	32	12.6	7649	32	12.6	7649
183.equake	32	125	386	32	125	386
187.facerec	32	117	603	32	117	603
188.ammp	32	123	664	32	123	664
189.lucas	32	304	244	32	304	244
191.fma3d	32	270	289	32	270	289
200.sixtrack	32	256	160	32	256	160
301.apsi	32	289	334	32	289	334

Hardware

CPU:	Itanium 2 processor 9040 1600 MHz FSB 400MHz
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	32 cores, 16 chips, 2 cores/chip, (Hyper-Threading Technology disabled)
CPU(s) orderable:	4, 8, 16 or 32 (chips)
Parallel:	No
Primary Cache:	16KBI + 16KBD on chip per core
Secondary Cache:	1MBI + 256KBD on chip per core
L3 Cache:	9MB (I+D) on chip per core
Other Cache:	N/A
Memory:	128 GB (128* 1GB DIMMs DDR2 400MHZ PC3200 CL3)
Disk Subsystem:	2*10krpm 73GB SCSI disks
Other Hardware:	

Software

Operating System:	Bull Advanced Server 4 (linux kernel 2.6.12 (64k pages), glibc 2.3.4)
Compiler:	Intel(R) Fortran Compiler for Linux 9.1 (Build 20060523) Intel(R) C++ Compiler for Linux 9.1 (Build 20060523)
File System:	ext3
System State:	Multi User

Notes/Tuning Information

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+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=true

Processes were bound to CPUs using pexec

8 FSB boxes with 2 CPU chips/FSB, and 16 DIMMs/FSB

For information about Bull please see:
http://www.bull.com
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