CFP2000 Result

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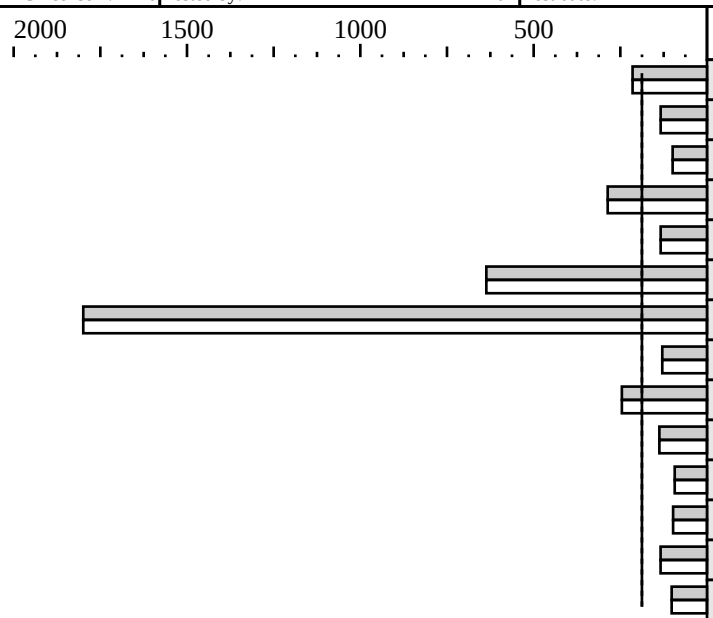
Bull

NovaScale 3045 (1.6 GHz, Itanium2 9050)

SPECfp_rate2000 = 188

SPECfp_rate_base2000 = 188

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	69.2	215	8	69.2	215
171.swim	8	215	134	8	215	134
172.mgrid	8	169	99.1	8	169	99.1
173.applu	8	68.0	286	8	68.0	286
177.mesa	8	97.2	134	8	97.2	134
178.galgel	8	42.3	637	8	42.3	637
179.art	8	13.4	1799	8	13.4	1799
183.equake	8	93.5	129	8	93.5	129
187.facerec	8	71.8	246	8	71.8	246
188.ammp	8	149	137	8	149	137
189.lucas	8	199	93.1	8	199	93.1
191.fma3d	8	199	97.8	8	199	97.8
200.sixtrack	8	76.2	134	8	76.2	134
301.apsi	8	237	102	8	237	102

Hardware

CPU:	Itanium 2 Processor 9050 1600 MHz FSB 533MHz
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1, 2, 3 or 4 (chips)
Parallel:	No
Primary Cache:	16KB(I) + 16KB(D) on chip per core
Secondary Cache:	256KBI + 1MBD on chip per core
L3 Cache:	12MB (I+D) on chip per core
Other Cache:	N/A
Memory:	128 GB (32 x 4GB ECC DIMMs DDR2-533 PC4200 533MHz CL4)
Disk Subsystem:	2x10krpm 73GB SAS disks
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition (64 bits), Service Pack1
Compiler:	Intel(R) C++ Itanium(R) Compiler for Itanium(R)-based app., Version 9.1, - Build 20060928 Package ID: W_CC_C_9.1.032 Intel(R) Fortran Itanium(R) Compiler for Itanium(R)-based app., Version 9.1, - Build 20060928 Package ID: W_FC_C_9.1.032 Microsoft Platform SDK February 2003
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
Portability flags:
 178.galgel:  -FI /F32000000

Feedback optimization:
  +FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:
 for C programs:
 /fast /Qansi-alias +FDO
 for Fortran programs:
 /fast /QIPF-fp-relaxed +FDO

Peak Tuning Flags:  basepeak=true


For information about Bull please see:
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Notes/Tuning Information (Continued)

http://www.bull.com