



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Bull
NovaScale Blade 2320 (2.0 GHz Xeon LV)

SPECfp2000 = 1442
SPECfp_base2000 = 1416

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	69.7	2297	69.7	2297	
171.swim	3100	195	1588	195	1588	
172.mgrid	1800	163	1103	163	1103	
173.applu	2100	184	1144	182	1153	
177.mesa	1400	89.6	1563	89.6	1563	
178.galgel	2900	101	2873	101	2873	
179.art	2600	85.0	3057	85.0	3057	
183.quake	1300	80.0	1624	62.4	2083	
187.facerec	1900	125	1525	125	1525	
188.amp	2200	242	908	242	908	
189.lucas	2000	136	1469	136	1469	
191.fma3d	2100	187	1123	187	1123	
200.sixtrack	1100	218	504	218	504	
301.apsi	2600	237	1099	237	1099	

Hardware

CPU: Intel Xeon Processor (2.0GHz Xeon LV, 2MB L2, 667MHz bus)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1 to 2
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) shared by 2 cores
L3 Cache: N/A
Other Cache: N/A
Memory: 8GB (2GB DIMMx4, 2-way interleaved DDR2-400, PC2-3200 CL3)
Disk Subsystem: 2x36GB SAS 10000 rpm
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits), Service Pack 1
Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1, - Build 20060519Z Package ID: W_CC_C_9.1.025
Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060519Z Package ID: W_FC_C_9.1.025
Microsoft Visual Studio .NET 2003 (for libraries)
MicroQuill SmartHeap Library 8.0 (shlW32M.lib)
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 -Qansi_alias +FDO

Peak Tuning Flags:

168.wupwise: basepeak=yes
171.swim: basepeak=yes
172.mgrid: basepeak=yes
173.applu: -fast -Qscalar_rep- -Qauto -f77rtl +FDO



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Bull

NovaScale Blade 2320 (2.0 GHz Xeon LV)

SPECfp2000 = 1442

SPECfp_base2000 = 1416

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

Notes/Tuning Information (Continued)

```
177.mesa:      basepeak=yes
178.galgel:    basepeak=yes
179.art:       basepeak=yes
183.quake:    -fast -Oa -Qrcd +FDO ONESTEP=yes shlW32M.lib
187.facerec:  basepeak=yes
188.ammp:     basepeak=yes
189.lucas:    basepeak=yes
191.fma3d:    basepeak=yes
200.sixtrack: basepeak=yes
301.apsi:     basepeak=yes
```

Other Configuration Notes

/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment

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