



# CFP2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

## Bull

NovaScale B280 (Intel Xeon processor 5110, 1.60 GHz)

SPECfp2000 = 1664

SPECfp\_base2000 = 1657

SPEC license #: 20 Tested by: Bull Test date: Dec-2006 Hardware Avail: Jan-2007 Software Avail: Dec-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	61.3	2608	61.3	2608	
171.swim	3100	144	2154	144	2154	
172.mgrid	1800	172	1046	172	1046	
173.applu	2100	151	1394	151	1394	
177.mesa	1400	95.4	1468	94.8	1477	
178.galgel	2900	75.3	3850	75.3	3850	
179.art	2600	46.8	5550	46.8	5550	
183.quake	1300	61.5	2114	61.5	2114	
187.facerec	1900	120	1586	120	1586	
188.amp	2200	193	1143	184	1199	
189.lucas	2000	140	1425	140	1425	
191.fma3d	2100	164	1277	164	1277	
200.sixtrack	1100	172	641	172	641	
301.apsi	2600	253	1028	253	1028	

### Hardware

CPU: Intel Xeon Processor 5110 (1.60 GHz, 4MB L2, 1066MHz bus)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip  
CPU(s) orderable: 1 to 2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4096KB(I+D) on chip per chip (shared by 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8GB (1GB DIMMx8, FB-DIMM PC2-5300F ECC CL5)  
Disk Subsystem: 1x73GB SAS 10000 rpm  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits), Service Pack1  
Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1, - Build 20061103Z Package ID: W\_CC\_C\_9.1.033  
Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20061103Z Package ID: W\_FC\_C\_9.1.033  
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 +FDO ONESTEP=yes shlW32M.lib  
for Fortran programs:  
-fast -Qansi\_alias +FDO

Peak Tuning Flags:

168.wupwise: basepeak=yes  
171.swim: basepeak=yes  
172.mgrid: basepeak=yes  
173.applu: basepeak=yes



# CFP2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

**Bull**

NovaScale B280 (Intel Xeon processor 5110, 1.60 GHz)

SPECfp2000 = 1664

SPECfp\_base2000 = 1657

SPEC license #: 20 | Tested by: Bull | Test date: Dec-2006 | Hardware Avail: Jan-2007 | Software Avail: Dec-2006

## Notes/Tuning Information (Continued)

```
177.mesa:    -fast +FDO ONESTEP=yes
178.galgel:  basepeak=yes
179.art:     basepeak=yes
183.quake:   basepeak=yes
187.facerec: basepeak=yes
188.ammmp:   -fast +FDO ONESTEP=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>