



# CFP2000 Result

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## Bull

NovaScale B260 (Intel Xeon processor 5130, 2.0 GHz)

SPECfp2000 = 2025

SPECfp\_base2000 = 2017

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	51.1	3130	51.1	3130	
171.swim	3100	120	2575	120	2575	
172.mgrid	1800	140	1287	140	1287	
173.applu	2100	125	1684	125	1684	
177.mesa	1400	76.6	1827	76.5	1829	
178.galgel	2900	60.4	4802	60.4	4802	
179.art	2600	37.5	6928	37.5	6928	
183.quake	1300	51.7	2514	51.7	2514	
187.facerec	1900	98.3	1933	98.3	1933	
188.amp	2200	155	1416	148	1490	
189.lucas	2000	119	1675	119	1675	
191.fma3d	2100	135	1560	135	1560	
200.sixtrack	1100	137	800	137	800	
301.apsi	2600	215	1209	215	1209	

### Hardware

CPU: Intel Xeon Processor 5130 (2.0 GHz, 4MB L2, 1333MHz bus)  
CPU MHz: 2000  
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 (2GB DIMMx4, 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



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## 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.ammp:     -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>