



# CFP2000 Result

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**Bull**  
**NovaScale Blade 2021 (3.6 GHz Xeon)**

SPECfp2000 = **1889**  
SPECfp\_base2000 = **1889**

SPEC license #: 20 | Tested by: Bull | Test date: May-2006 | Hardware Avail: Dec-2005 | Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	45.5	3513	45.5	3513	
171.swim	3100	132	2343	132	2343	
172.mgrid	1800	120	1495	120	1495	
173.applu	2100	126	1671	126	1671	
177.mesa	1400	89.7	1561	89.7	1561	
178.galgel	2900	80.0	3624	80.0	3624	
179.art	2600	63.2	4116	63.2	4116	
183.quake	1300	58.9	2209	58.9	2209	
187.facerec	1900	102	1860	102	1860	
188.amp	2200	178	1234	178	1234	
189.lucas	2000	101	1990	101	1990	
191.fma3d	2100	135	1553	135	1553	
200.sixtrack	1100	153	718	153	718	
301.apsi	2600	190	1365	190	1365	

### Hardware

CPU: Intel Xeon Processor (3.6GHz Xeon, 2MB L2, 800MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1 to 2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8GB (2GB DIMMx4, 2-way interleaved DDR2-400, CL3)  
Disk Subsystem: 2x73GB SCSI 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 9.0, - Build 20060222Z Package ID: W\_CC\_C\_9.0.030  
Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060323Z Package ID: W\_FC\_P\_9.1.024  
Microsoft Visual Studio .NET 2003 (for libraries)  
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:  
BasePeak=Yes

Other Configuration Notes



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## Notes/Tuning Information (Continued)

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

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