



CFP2000 Result

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Bull

NovaScale B260 (Intel Xeon processor E5335, 2.00 GHz)

SPECfp2000 = 2041

SPECfp_base2000 = 2033

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	50.3	3182	50.3	3182	
171.swim	3100	122	2550	122	2550	
172.mgrid	1800	139	1296	139	1296	
173.applu	2100	123	1703	123	1703	
177.mesa	1400	76.7	1826	76.2	1837	
178.galgel	2900	60.2	4818	60.2	4818	
179.art	2600	37.5	6942	37.5	6942	
183.quake	1300	50.7	2564	50.7	2564	
187.facerec	1900	96.8	1963	96.8	1963	
188.amp	2200	154	1425	147	1498	
189.lucas	2000	116	1719	116	1719	
191.fma3d	2100	134	1564	134	1564	
200.sixtrack	1100	137	801	137	801	
301.apsi	2600	214	1215	214	1215	

Hardware

CPU: Intel Xeon Processor E5335 (2.00 GHz, 8MB L2, 1333MHz bus)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 4 cores/chip
CPU(s) orderable: 1 to 2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 8MB(I+D) on chip, per chip (4MB 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>