



# CFP2000 Result

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## IBM Corporation

IBM BladeCenter HS21 (2.33 GHz Xeon 5140, 4MB L2 Cache)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 72.3

SPEC license #: 11 | Tested by: IBM Corporation | Test date: May-2006 | Hardware Avail: Jul-2006 | Software Avail: Mar-2006

| Benchmark    | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise  | 4           | 74.4         | 99.8       |        |         |       |
| 171.swim     | 4           | 269          | 53.4       |        |         |       |
| 172.mgrid    | 4           | 171          | 48.9       |        |         |       |
| 173.applu    | 4           | 196          | 49.8       |        |         |       |
| 177.mesa     | 4           | 63.7         | 102        |        |         |       |
| 178.galgel   | 4           | 68.9         | 195        |        |         |       |
| 179.art      | 4           | 65.0         | 186        |        |         |       |
| 183.quake    | 4           | 93.0         | 64.9       |        |         |       |
| 187.facerec  | 4           | 104          | 84.7       |        |         |       |
| 188.amp      | 4           | 166          | 61.6       |        |         |       |
| 189.lucas    | 4           | 181          | 51.4       |        |         |       |
| 191.fma3d    | 4           | 173          | 56.4       |        |         |       |
| 200.sixtrack | 4           | 120          | 42.4       |        |         |       |
| 301.apsi     | 4           | 225          | 53.6       |        |         |       |

### Hardware

CPU: Intel Xeon processor 5140 (2.33 GHz, 1333 MHz bus)  
CPU MHz: 2333  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1, 2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip (per core)  
Secondary Cache: 4096KB(I+D) on chip (per chip)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 1024 MB ECC PC2-5300F  
Disk Subsystem: 73GB SAS 15K RPM  
Other Hardware: Memory and I/O Expansion Unit (P/N 42C1600)

### Software

Operating System: Windows Server 2003 Enterprise Edition (32-bit)  
Compiler: Intel C++ and Fortran Compiler 9.1 for 32-bit applications  
Build 20060323Z  
Microsoft Visual Studio 2005 (for libraries)  
SmartHeap Library Version 8.0 from <http://www.microquill.com/>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs: -fast +FDO shlW32M.lib
Portability:
178.galgel: -FI /F32000000
```