



CFP2000 Result

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IBM Corporation

IBM BladeCenter HS21 XM (1.60 GHz Xeon 5110, 4MB L2 Cache)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 54.8

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2007 | Hardware Avail: Feb-2007 | Software Avail: Mar-2006

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 4 | 94.5 | 78.5 | | | |
| 171.swim | 4 | 341 | 42.2 | | | |
| 172.mgrid | 4 | 220 | 37.9 | | | |
| 173.applu | 4 | 251 | 38.8 | | | |
| 177.mesa | 4 | 92.3 | 70.4 | | | |
| 178.galgel | 4 | 96.6 | 139 | | | |
| 179.art | 4 | 84.6 | 143 | | | |
| 183.quake | 4 | 117 | 51.4 | | | |
| 187.facerec | 4 | 139 | 63.5 | | | |
| 188.amp | 4 | 226 | 45.1 | | | |
| 189.lucas | 4 | 227 | 40.9 | | | |
| 191.fma3d | 4 | 225 | 43.3 | | | |
| 200.sixtrack | 4 | 175 | 29.2 | | | |
| 301.apsi | 4 | 284 | 42.5 | | | |

Hardware

CPU: Intel Xeon processor 5110 (1.60 GHz, 1066 MHz bus)
CPU MHz: 1600
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 2048 MB ECC PC2-5300F
Disk Subsystem: 73GB SAS 10K RPM
Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-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
```