



CFP2000 Result

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IBM Corporation

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

SPECfp2000 = --

SPECfp_base2000 = 2231

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	52.6	3039			
171.swim	3100	116	2672			
172.mgrid	1800	124	1456			
173.applu	2100	126	1667			
177.mesa	1400	62.8	2229			
178.galgel	2900	51.5	5629			
179.art	2600	32.0	8133			
183.earthquake	1300	48.6	2677			
187.facerec	1900	86.7	2192			
188.amp	2200	132	1673			
189.lucas	2000	107	1869			
191.fma3d	2100	126	1666			
200.sixtrack	1100	118	935			
301.apsi	2600	197	1319			

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 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
```