



CFP2000 Result

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IBM Corporation

IBM BladeCenter HS21 XM (1.86 GHz Xeon 5120, 4MB L2 Cache)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 58.1

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	92.4	80.4			
171.swim	4	341	42.2			
172.mgrid	4	216	38.7			
173.applu	4	244	39.9			
177.mesa	4	80.9	80.3			
178.galgel	4	86.6	155			
179.art	4	80.1	151			
183.quake	4	116	52.0			
187.facerec	4	128	68.9			
188.amp	4	207	49.4			
189.lucas	4	223	41.6			
191.fma3d	4	220	44.3			
200.sixtrack	4	152	33.5			
301.apsi	4	259	46.6			

Hardware

CPU: Intel Xeon processor 5120 (1.86 GHz, 1066 MHz bus)
 CPU MHz: 1866
 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
```