



CFP2000 Result

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IBM Corporation

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 58.7

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	91.7	80.9			
171.swim	4	336	42.8			
172.mgrid	4	212	39.3			
173.applu	4	242	40.2			
177.mesa	4	79.4	81.8			
178.galgel	4	85.7	157			
179.art	4	79.1	152			
183.quake	4	115	52.6			
187.facerec	4	127	69.6			
188.amp	4	203	50.3			
189.lucas	4	221	41.9			
191.fma3d	4	218	44.8			
200.sixtrack	4	151	33.8			
301.apsi	4	259	46.6			

Hardware

CPU: Intel Xeon processor 5120 (1.86 GHz, 1333 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 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
```