



CFP2000 Result

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IBM Corporation

IBM BladeCenter HS21 (2.0 GHz Xeon 5130, 4MB L2 Cache)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 67.8

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	76.3	97.3			
171.swim	4	269	53.4			
172.mgrid	4	175	47.6			
173.applu	4	198	49.3			
177.mesa	4	73.7	88.2			
178.galgel	4	76.9	175			
179.art	4	68.7	176			
183.quake	4	94.0	64.2			
187.facerec	4	112	78.4			
188.amp	4	184	55.5			
189.lucas	4	184	50.5			
191.fma3d	4	188	51.8			
200.sixtrack	4	140	36.5			
301.apsi	4	244	49.5			

Hardware

CPU: Intel Xeon processor 5130 (2.0 GHz, 1333 MHz bus)
CPU MHz: 2000
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
```