



CFP2000 Result

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IBM Corporation

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 55.1

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	93.9	79.1			
171.swim	4	337	42.7			
172.mgrid	4	217	38.4			
173.applu	4	246	39.7			
177.mesa	4	91.8	70.8			
178.galgel	4	95.8	141			
179.art	4	83.6	144			
183.quake	4	116	52.0			
187.facerec	4	137	64.4			
188.amp	4	228	44.8			
189.lucas	4	225	41.3			
191.fma3d	4	231	42.1			
200.sixtrack	4	175	29.2			
301.apsi	4	284	42.4			

Hardware

CPU: Intel Xeon processor 5110 (1.60 GHz, 1333 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 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
```