



CFP2000 Result

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IBM Corporation

IBM BladeCenter HS21 XM (2.33 GHz Xeon E5345, 8MB L2 Cache)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 95.6

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	8	137	109			
171.swim	8	555	51.8			
172.mgrid	8	341	48.9			
173.applu	8	371	52.6			
177.mesa	8	65.0	200			
178.galgel	8	87.7	307			
179.art	8	101	239			
183.quake	8	180	67.1			
187.facerec	8	148	119			
188.amp	8	184	111			
189.lucas	8	324	57.2			
191.fma3d	8	302	64.6			
200.sixtrack	8	125	81.4			
301.apsi	8	257	93.7			

Hardware

CPU: Intel Xeon processor E5345 (2.33 GHz, 1333 MHz bus)
 CPU MHz: 2333
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1, 2
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip (per core)
 Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)
 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
```