



CFP2000 Result

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IBM Corporation

IBM BladeCenter HS21 XM (1.60 GHz Xeon E5310, 8MB L2 Cache))

SPECfp2000 = --

SPECfp_base2000 = 1619

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2007 | Hardware Avail: Feb-2007 | Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	69.4	2307			
171.swim	3100	151	2054			
172.mgrid	1800	173	1041			
173.applu	2100	170	1237			
177.mesa	1400	90.8	1542			
178.galgel	2900	74.7	3880			
179.art	2600	46.5	5589			
183.quake	1300	64.3	2023			
187.facerec	1900	120	1578			
188.amp	2200	188	1173			
189.lucas	2000	141	1423			
191.fma3d	2100	173	1212			
200.sixtrack	1100	171	642			
301.apsi	2600	260	1001			

Hardware

CPU: Intel Xeon processor E5310 (1.60 GHz, 1066 MHz bus)
CPU MHz: 1600
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

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+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
```