



CFP2000 Result

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IBM Corporation

IBM BladeCenter HS21 (1.6 GHz Xeon E5310, 8MB L2 Cache)

SPECfp2000 = --

SPECfp_base2000 = 1619

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Nov-2006 | Hardware Avail: Dec-2006 | Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	69.5	2301		
171.swim	3100	151	2055		
172.mgrid	1800	172	1045		
173.applu	2100	170	1234		
177.mesa	1400	90.7	1544		
178.galgel	2900	74.2	3907		
179.art	2600	46.5	5586		
183.quake	1300	64.0	2031		
187.facerec	1900	120	1577		
188.amp	2200	189	1165		
189.lucas	2000	141	1419		
191.fma3d	2100	173	1212		
200.sixtrack	1100	171	642		
301.apsi	2600	259	1003		

Hardware

CPU: Intel Xeon processor E5310 (1.6 GHz, 1066 MHz bus)
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
CPU(s) orderable: 1, 2 chips
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 1024 MB ECC PC2-5300F
Disk Subsystem: 73GB SAS 10K 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

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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
```