



CFP2000 Result

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IBM Corporation

IBM System X 3400 (1.6 GHz Xeon E5310, 8MB L2 Cache)

SPECfp2000 = --

SPECfp_base2000 = 1643

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	66.9	2391		
171.swim	3100	149	2079		
172.mgrid	1800	171	1055		
173.applu	2100	166	1268		
177.mesa	1400	89.9	1558		
178.galgel	2900	74.3	3903		
179.art	2600	46.7	5565		
183.quake	1300	62.4	2083		
187.facerec	1900	118	1610		
188.amp	2200	187	1175		
189.lucas	2000	134	1487		
191.fma3d	2100	171	1227		
200.sixtrack	1100	172	641		
301.apsi	2600	259	1005		

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: 80GB SATA 10K RPM
Other Hardware:

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
```

This result was measured on an IBM System X 3400. IBM System X 3400 and IBM System X 3500 are electronically equivalent.