



CFP2000 Result

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IBM Corporation

IBM eServer xSeries x206m (2.8GHz Pentium 4 521, 1MB L2 Cache)

SPECfp2000 = 1593

SPECfp_base2000 = 1578

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	67.5	2371	67.5	2371	[Bar chart showing ratio 2371]			
171.swim	3100	122	2537	122	2541	[Bar chart showing ratio 2541]			
172.mgrid	1800	139	1298	139	1298	[Bar chart showing ratio 1298]			
173.applu	2100	144	1462	147	1428	[Bar chart showing ratio 1428]			
177.mesa	1400	112	1251	112	1251	[Bar chart showing ratio 1251]			
178.galgel	2900	117	2488	117	2488	[Bar chart showing ratio 2488]			
179.art	2600	85.6	3039	85.6	3039	[Bar chart showing ratio 3039]			
183.earthquake	1300	61.3	2121	53.3	2441	[Bar chart showing ratio 2441]			
187.facerec	1900	110	1722	110	1725	[Bar chart showing ratio 1725]			
188.amp	2200	239	922	239	922	[Bar chart showing ratio 922]			
189.lucas	2000	100	2000	98.3	2035	[Bar chart showing ratio 2035]			
191.fma3d	2100	155	1357	155	1357	[Bar chart showing ratio 1357]			
200.sixtrack	1100	198	555	199	554	[Bar chart showing ratio 554]			
301.apsi	2600	240	1082	240	1082	[Bar chart showing ratio 1082]			

Hardware

CPU: Intel Pentium 4 521 (800 MHz system bus)
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024 MB ECC PC2-4200 Single Rank
Disk Subsystem: 73GB SAS 15K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications
Intel Fortran Compiler 9.0 (20051130Z) for 32-bit applications
Microsoft Visual Studio .NET 13.0.9466 (for libraries)
MicroQuill Smartheap Library 7.30
File System: NTFS
System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY

178.galgel: -FI /F32000000

BASE TUNING

C/F77/F90: -fast -Qansi_alias +FDO

PEAK TUNING

168.wupwise: basepeak=yes
171.swim: -fast -f77rtl +FDO
172.mgrid: basepeak=yes
173.applu: -fast -Qscalar_rep- -Qauto -f77rtl +FDO
177.mesa: -fast +FDO
178.galgel: basepeak=yes
179.art: basepeak=yes
183.earthquake: -fast -Oa -Qrcd +FDO shlw32M.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO



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Notes/Tuning Information (Continued)

188. ammp: basepeak=yes
189. lucas: -fast
191. fma3d: basepeak=yes
200. sixtrack: -fast +FDO
301. apsi: basepeak=yes