



CFP2000 Result

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IBM Corporation

IBM eServer xSeries x206m (3.0GHz Pentium 4 631, 2MB L2 Cache)

SPECfp2000 = 1769

SPECfp_base2000 = 1750

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	
168.wupwise	1600	64.2	2493	64.2	2493	
171.swim	3100	121	2553	121	2555	
172.mgrid	1800	130	1385	130	1385	
173.applu	2100	139	1512	143	1469	
177.mesa	1400	106	1319	106	1318	
178.galgel	2900	89.8	3231	89.8	3231	
179.art	2600	61.3	4241	61.3	4241	
183.quake	1300	56.5	2302	47.7	2723	
187.facerec	1900	102	1871	102	1872	
188.amp	2200	190	1158	190	1158	
189.lucas	2000	96.2	2078	95.0	2106	
191.fma3d	2100	149	1410	149	1410	
200.sixtrack	1100	184	597	184	597	
301.apsi	2600	217	1199	217	1199	

Hardware

CPU: Intel Pentium 4 631 (800 MHz system bus)
 CPU MHz: 3000
 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: 2048KB(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.quake: -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