



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries x306m (2.8GHz Pentium D 920, 2x2MB L2 Cache)

SPECfp2000 = 1681

SPECfp_base2000 = 1663

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	2000	4000	6000	8000
168.wupwise	1600	67.0	2389	67.0	2389				
171.swim	3100	125	2489	125	2487				
172.mgrid	1800	138	1307	138	1307				
173.applu	2100	145	1451	149	1413				
177.mesa	1400	114	1233	114	1233				
178.galgel	2900	94.9	3057	94.9	3057				
179.art	2600	64.5	4032	64.5	4032				
183.quake	1300	58.7	2214	50.1	2597				
187.facerec	1900	107	1768	107	1771				
188.amp	2200	199	1105	199	1105				
189.lucas	2000	102	1962	100.0	2001				
191.fma3d	2100	157	1337	157	1337				
200.sixtrack	1100	195	564	195	564				
301.apsi	2600	230	1128	230	1128				

Hardware

CPU: Intel Pentium D 920 (800 MHz system bus)
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024 MB ECC PC2-4200 Single Rank
Disk Subsystem: 80GB SATA 10K 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



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries x306m (2.8GHz Pentium D 920, 2x2MB L2 Cache)

SPECfp2000 = 1681

SPECfp_base2000 = 1663

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

Notes/Tuning Information (Continued)

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