



CFP2000 Result

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IBM Corporation

IBM eServer xSeries x206m (3.2GHz Pentium D 940, 2x2MB L2 Cache)

SPECfp_rate2000 = 34.8

SPECfp_rate_base2000 = 34.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	70.4	52.7	2	70.4	52.7
171.swim	2	229	31.4	2	228	31.6
172.mgrid	2	148	28.2	2	148	28.2
173.applu	2	179	27.2	2	175	27.8
177.mesa	2	99.9	32.5	2	100.0	32.5
178.galgel	2	93.6	71.9	2	93.6	71.9
179.art	2	80.3	75.1	2	80.3	75.1
183.quake	2	93.8	32.2	2	71.0	42.5
187.facerec	2	108	40.7	2	108	40.7
188.amp	2	190	26.8	2	190	26.8
189.lucas	2	151	30.7	2	151	30.8
191.fma3d	2	176	27.7	2	176	27.7
200.sixtrack	2	172	14.9	2	172	14.9
301.apsi	2	217	27.8	2	217	27.8

Hardware

CPU: Intel Pentium D 940 (800 MHz system bus)
CPU MHz: 3200
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: 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