



CFP2000 Result

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IBM Corporation

IBM eServer xSeries x306m (3.0GHz Pentium D 930, 2x2MB L2 Cache)

SPECfp_rate2000 = 33.7

SPECfp_rate_base2000 = 33.0

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	72.5	51.2	2	72.5	51.2
171.swim	2	227	31.7	2	227	31.7
172.mgrid	2	152	27.5	2	152	27.5
173.applu	2	181	27.0	2	179	27.2
177.mesa	2	107	30.5	2	107	30.5
178.galgel	2	98.4	68.4	2	98.4	68.4
179.art	2	81.7	73.9	2	81.7	73.9
183.quake	2	93.9	32.1	2	71.2	42.4
187.facerec	2	113	39.1	2	113	39.1
188.amp	2	200	25.6	2	200	25.6
189.lucas	2	151	30.8	2	151	30.7
191.fma3d	2	182	26.7	2	182	26.7
200.sixtrack	2	183	13.9	2	183	13.9
301.apsi	2	227	26.6	2	227	26.6

Hardware

CPU: Intel Pentium D 930 (800 MHz system bus)
CPU MHz: 3000
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



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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