



CFP2000 Result

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IBM Corporation

IBM eServer xSeries 306m (3.0 GHz Pentium 4 531, 1MB L2 Cache)

SPECfp_rate2000 = 19.5

SPECfp_rate_base2000 = 19.2

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	63.9	29.0	1	63.9	29.0
171.swim	1	119	30.3	1	119	30.2
172.mgrid	1	131	16.0	1	131	16.0
173.applu	1	141	17.3	1	138	17.7
177.mesa	1	105	15.5	1	105	15.5
178.galgel	1	113	29.8	1	113	29.8
179.art	1	79.8	37.8	1	79.8	37.8
183.quake	1	59.1	25.5	1	51.2	29.4
187.facerec	1	105	21.1	1	104	21.1
188.amp	1	227	11.2	1	227	11.2
189.lucas	1	95.0	24.4	1	93.5	24.8
191.fma3d	1	148	16.5	1	148	16.5
200.sixtrack	1	185	6.88	1	185	6.89
301.apsi	1	231	13.1	1	231	13.1

Hardware

CPU: Intel Pentium 4 531 (800 MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
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 PC2-3200 Single Rank
Disk Subsystem: 75GB SATA 7.2K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications
Intel Fortran Compiler 9.0 (20050624Z) 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 /F3200000
191.fma3d: srcalt=windowsdp

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



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Notes/Tuning Information (Continued)

187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO
188.amp: basepeak=yes
189.lucas: -fast
191.fma3d: basepeak=yes
200.sixtrack: -Qipo +FDO
301.apsi: basepeak=yes