



CFP2000 Result

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IBM Corporation

IBM eServer xSeries 306m (3.2 GHz Pentium 4 640, 2MB L2 Cache)

SPECfp2000 = 1868

SPECfp_base2000 = 1841

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	61.2	2614	61.2	2614	
171.swim	3100	116	2667	116	2665	
172.mgrid	1800	123	1467	123	1467	
173.applu	2100	136	1547	134	1569	
177.mesa	1400	99.5	1407	99.5	1407	
178.galgel	2900	85.5	3392	85.5	3392	
179.art	2600	56.5	4602	56.5	4602	
183.quake	1300	55.3	2351	46.2	2813	
187.facerec	1900	97.5	1949	97.4	1951	
188.amp	2200	179	1232	179	1232	
189.lucas	2000	90.7	2205	89.6	2233	
191.fma3d	2100	142	1478	142	1478	
200.sixtrack	1100	173	636	173	636	
301.apsi	2600	207	1258	207	1258	

Hardware

CPU: Intel Pentium 4 640(800 MHz system bus)
CPU MHz: 3200
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: 2048KB(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
```