



CFP2000 Result

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IBM Corporation

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

SPECfp2000 = 1680

SPECfp_base2000 = 1658

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	63.8	2509	63.8	2509	
171.swim	3100	118	2629	118	2631	
172.mgrid	1800	130	1380	130	1380	
173.applu	2100	140	1498	138	1527	
177.mesa	1400	105	1336	105	1336	
178.galgel	2900	113	2573	113	2573	
179.art	2600	80.4	3234	80.4	3234	
183.earthquake	1300	58.7	2213	51.0	2548	
187.facerec	1900	104	1820	104	1823	
188.amp	2200	227	970	227	970	
189.lucas	2000	94.8	2110	93.2	2146	
191.fma3d	2100	147	1425	147	1425	
200.sixtrack	1100	185	594	185	594	
301.apsi	2600	231	1127	231	1127	

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.earthquake: -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
```