



CFP2000 Result

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IBM Corporation

IBM eServer xSeries 260 (3.16 GHz Xeon MP, 1MB L2 Cache)

SPECfp2000 = 1584

SPECfp_base2000 = 1561

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	66.5	2405	66.5	2405	[Bar chart showing ratio 2405]			
171.swim	3100	130	2385	129	2402	[Bar chart showing ratio 2402]			
172.mgrid	1800	132	1365	132	1365	[Bar chart showing ratio 1365]			
173.applu	2100	143	1464	141	1491	[Bar chart showing ratio 1491]			
177.mesa	1400	102	1377	102	1376	[Bar chart showing ratio 1376]			
178.galgel	2900	126	2304	126	2304	[Bar chart showing ratio 2304]			
179.art	2600	93.2	2790	93.2	2790	[Bar chart showing ratio 2790]			
183.earthquake	1300	66.9	1943	55.7	2333	[Bar chart showing ratio 2333]			
187.facerec	1900	114	1662	114	1661	[Bar chart showing ratio 1661]			
188.ammmp	2200	258	853	258	853	[Bar chart showing ratio 853]			
189.lucas	2000	101	1988	101	1982	[Bar chart showing ratio 1982]			
191.fma3d	2100	153	1374	153	1374	[Bar chart showing ratio 1374]			
200.sixtrack	1100	175	627	175	627	[Bar chart showing ratio 627]			
301.apsi	2600	243	1068	243	1068	[Bar chart showing ratio 1068]			

Hardware

CPU: Intel Xeon MP 3.16 GHz (667 MHz system bus)
 CPU MHz: 3166
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2,3,4
 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: 16 x 2048 MB ECC PC2-3200 Dual Rank
 Disk Subsystem: 73GB SAS 15K 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
```