



CFP2000 Result

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IBM Corporation

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

SPECfp_rate2000 = 46.7

SPECfp_rate_base2000 = 45.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	134	55.3	4	134	55.3
171.swim	4	649	22.1	4	649	22.2
172.mgrid	4	175	47.8	4	175	47.8
173.applu	4	361	27.0	4	361	27.0
177.mesa	4	102	63.7	4	102	63.6
178.galgel	4	160	84.0	4	160	84.0
179.art	4	148	81.3	4	148	81.3
183.quake	4	107	56.3	4	81.8	73.7
187.facerec	4	130	68.0	4	129	68.2
188.amp	4	277	36.9	4	277	36.9
189.lucas	4	238	38.9	4	240	38.7
191.fma3d	4	237	41.1	4	237	41.1
200.sixtrack	4	177	28.8	4	177	28.8
301.apsi	4	299	40.3	4	299	40.3

Hardware

CPU: Intel Xeon MP 3.16 GHz (667 MHz system bus)
CPU MHz: 3166
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 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.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
```