



CFP2000 Result

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IBM Corporation
IBM eServer xSeries 460 (3.33 GHz Intel Xeon MP)

SPECfp2000 = **1304**
SPECfp_base2000 = **1277**

SPEC license #: 11 | Tested by: IBM, Research Trinagle Park, NC | Test date: Jun-2005 | Hardware Avail: May-2005 | Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	85.6	1870	85.6	1870	
171.swim	3100	265	1168	265	1169	
172.mgrid	1800	170	1057	170	1057	
173.applu	2100	192	1093	192	1092	
177.mesa	1400	98.2	1426	98.2	1426	
178.galgel	2900	112	2587	112	2587	
179.art	2600	92.1	2824	92.1	2824	
183.quake	1300	117	1107	88.6	1467	
187.facerec	1900	138	1380	138	1380	
188.amp	2200	197	1119	197	1119	
189.lucas	2000	190	1052	190	1052	
191.fma3d	2100	212	991	212	991	
200.sixtrack	1100	182	604	179	613	
301.apsi	2600	239	1086	239	1086	

Hardware

CPU: Intel Xeon MP (3.33 GHz Xeon, 1MB L2 Cache, 8MB L3 Cache, 667 MHz system bus)
CPU MHz: 3333
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: 8192KB(I+D) on chip
Other Cache: N/A
Memory: 8 x 2048 MB ECC DDR2 Dual Rank
Disk Subsystem: 36GB SAS 10k RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 8.1 (20050409) for 32-bit applications
Intel Fortran Compiler 8.1 (20050405Z) 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 -QxP -Qansi_alias +FDO

PEAK TUNING

168.wupwise: basepeak=yes
171.swim: -fast -QxP -f77rtl +FDO
172.mgrid: basepeak=yes
173.applu: -fast -QxP -Qscalar_rep- -Qauto -f77rtl +FDO
177.mesa: basepeak=yes
178.galgel: basepeak=yes
179.art: basepeak=yes
183.quake: -fast -QxP -Oa -Qrcd +FDO shlW32M.lib



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SPECfp2000 = 1304

SPECfp_base2000 = 1277

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Notes/Tuning Information (Continued)

187.facerec: basepeak=yes
188.amp: basepeak=yes
189.lucas: -fast -QxP
191.fma3d: basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi: -fast -QxP -f77rtl +FDO