



CFP2000 Result

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IBM Corporation

IBM eServer BladeCenter HS20 (3.0 GHz Xeon, 2MB L2 Cache)

SPECfp_rate2000 = 28.2

SPECfp_rate_base2000 = 27.1

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Dec-2005 | Hardware Avail: Feb-2006 | Software Avail: Dec-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	82.9	44.8	2	82.9	44.8
171.swim	2	344	20.9	2	311	23.1
172.mgrid	2	220	19.0	2	220	19.0
173.applu	2	263	18.5	2	235	20.7
177.mesa	2	107	30.4	2	107	30.4
178.galgel	2	108	62.2	2	108	62.2
179.art	2	98.9	61.0	2	98.9	61.0
183.quake	2	124	24.4	2	88.6	34.0
187.facerec	2	131	33.6	2	130	33.9
188.amp	2	208	24.6	2	208	24.6
189.lucas	2	206	22.5	2	206	22.5
191.fma3d	2	223	21.9	2	223	21.9
200.sixtrack	2	184	13.9	2	184	13.9
301.apsi	2	273	22.1	2	273	22.1

Hardware

CPU: Intel Xeon 3.0 (800 MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
Secondary Cache: 2048(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024 MB ECC PC2-3200 Single Rank
Disk Subsystem: 73GB SCSI 10K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications
Intel Fortran Compiler 9.0 (20051120Z) 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

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
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO



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Notes/Tuning Information (Continued)

188. ammp: basepeak=yes
189. lucas: -fast
191. fma3d: basepeak=yes
200. sixtrack: -fast +FDO
301. apsi: basepeak=yes