



CFP2000 Result

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IBM
IBM eServer xSeries 336 (3.6 GHz Intel Xeon)

SPECfp_rate2000 = 32.0
SPECfp_rate_base2000 = 31.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	71.9	51.6	2	71.9	51.6
171.swim	2	272	26.4	2	272	26.4
172.mgrid	2	180	23.3	2	180	23.3
173.applu	2	215	22.7	2	209	23.3
177.mesa	2	89.1	36.5	2	89.1	36.5
178.galgel	2	93.9	71.7	2	93.9	71.7
179.art	2	89.4	67.5	2	89.4	67.5
183.quake	2	111	27.2	2	82.7	36.5
187.facerec	2	123	35.8	2	123	35.8
188.amp	2	185	27.7	2	185	27.7
189.lucas	2	182	25.5	2	181	25.6
191.fma3d	2	197	24.7	2	197	24.7
200.sixtrack	2	169	15.1	2	168	15.2
301.apsi	2	230	26.2	2	230	26.2

Hardware

CPU: Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 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: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8 x 512 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 8.1 (20050409)
Intel Fortran Compiler 8.1 (20050405Z)
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 /F32000000

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 -Qansi_alias -Oa -Qrcd +FDO shlw32M.lib
187.facerec: basepeak=yes



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Notes/Tuning Information (Continued)

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