



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM
IBM eServer xSeries 346 (3.4 GHz Intel Xeon)

SPECfp_rate2000 = 20.2
SPECfp_rate_base2000 = 19.9

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	1	64.2	28.9	1	64.2	28.9
171.swim	1	137	26.3	1	137	26.3
172.mgrid	1	124	16.9	1	124	16.9
173.applu	1	147	16.6	1	148	16.5
177.mesa	1	93.9	17.3	1	93.9	17.3
178.galgel	1	86.4	38.9	1	86.4	38.9
179.art	1	67.0	45.0	1	67.0	45.0
183.quake	1	68.6	22.0	1	57.1	26.4
187.facerec	1	108	20.4	1	108	20.4
188.amp	1	186	13.7	1	186	13.7
189.lucas	1	99.8	23.2	1	98.7	23.5
191.fma3d	1	150	16.3	1	150	16.3
200.sixtrack	1	179	7.12	1	177	7.22
301.apsi	1	208	14.5	1	208	14.5

Hardware

CPU: Intel Xeon (3.4 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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: 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 /F3200000

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



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM

IBM eServer xSeries 346 (3.4 GHz Intel Xeon)

SPECfp_rate2000 = 20.2

SPECfp_rate_base2000 = 19.9

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

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
```