CFP2000 Result

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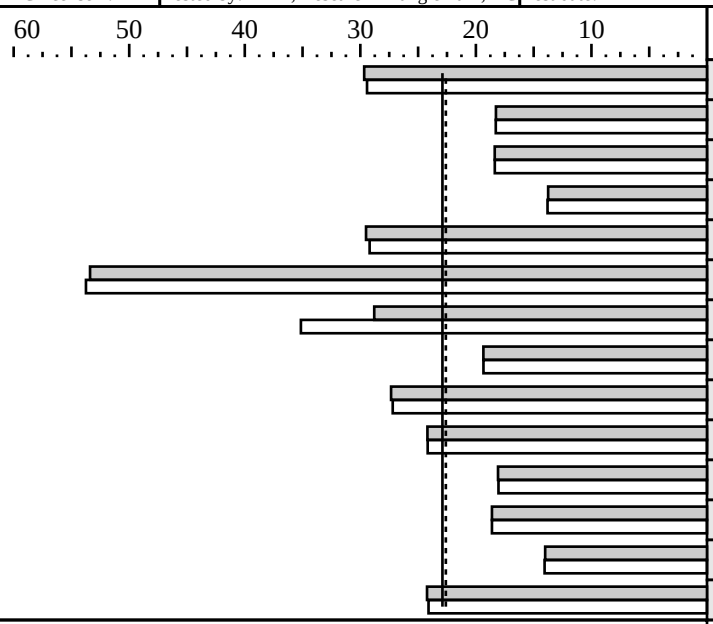
IBM Corporation
IBM x335(3.2GHz, 533MHZ FSB)

SPECfp_rate2000 = 22.9

SPECfp_rate_base2000 = 22.6

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Feb-2004 | Hardware Avail: Feb-2004 | Software Avail: Jun-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	125	29.7	2	126	29.4
171.swim	2	394	18.3	2	393	18.3
172.mgrid	2	227	18.4	2	227	18.4
173.applu	2	354	13.7	2	353	13.8
177.mesa	2	110	29.5	2	111	29.2
178.galgel	2	126	53.4	2	125	53.7
179.art	2	209	28.8	2	172	35.1
183.equake	2	156	19.4	2	156	19.3
187.facerec	2	161	27.3	2	162	27.2
188.ammp	2	211	24.2	2	211	24.2
189.lucas	2	257	18.1	2	257	18.0
191.fma3d	2	262	18.6	2	262	18.6
200.sixtrack	2	182	14.0	2	182	14.1
301.apsi	2	249	24.2	2	250	24.1

Hardware

CPU:	Intel Xeon processor
CPU MHz:	3200
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 + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048(I+D) on chip
Other Cache:	N/A
Memory:	4x256MB PC2100 CL2.5 ECC
Disk Subsystem:	1 x 36GB 10K RPM SCSI
Other Hardware:	None

Software

Operating System:	Windows Server 2003, Standard Edition (Build 3790)
Compiler:	Intel C++ Compiler 7.1 Build 20031229Z Intel Fortran Compiler 7.1 Build 20031229Z
File System:	NTFS
System State:	Default (Hyper-Threading Technology is disabled)

Notes/Tuning Information

```
Portability:
178.galgel:   -FI /F32000000
ONESTEP=yes   +FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -Qipo -QxW -O3 +FDO
Peak tuning:
168.wupwise:  -Qipo -QxW  -O3 +FDO
171.swim:     -Qipo -QxW  -O3 +FDO
172.mgrid:    -Qipo -QxW  -O3 +FDO
173.applu:    -Qipo -QxW  -O3 -Qscalar_rep- -Qauto +FDO
177.mesa:     -O3 -QxW -Qipo -Oa  +FDO
178.galgel:   -Qipo -QxW  -O3 +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -Qipo -QxW  -Oa -Qrcd +FDO
187.facerec:  -O3 -QxW -Qipo -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxW
189.lucas:    -QaxW  -Qipo
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxW  +FDO
301.apsi:     -Qipo -QxW  -O3 +FDO
```