CFP2000 Result

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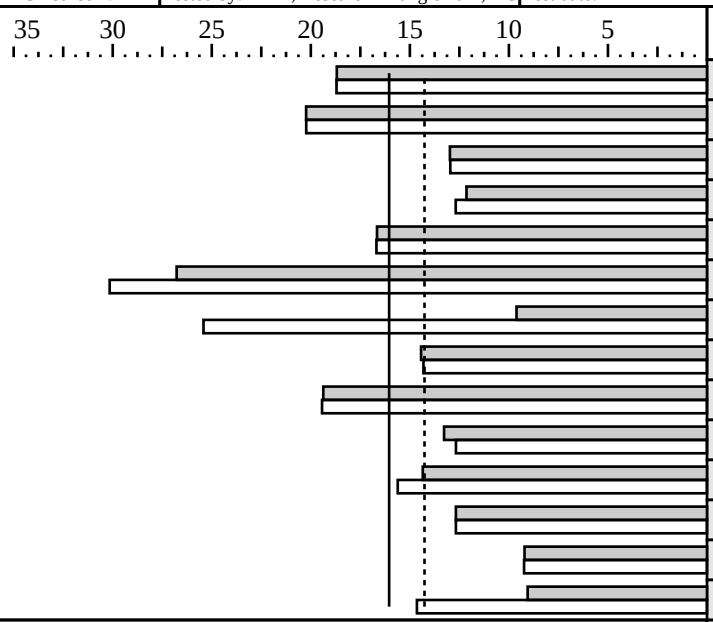
IBM Corporation
IBM x335(3.2GHz, 533MHZ FSB)

SPECfp_rate2000 = 16.0

SPECfp_rate_base2000 = 14.3

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	199	18.7	2	198	18.7
171.swim	2	355	20.2	2	355	20.2
172.mgrid	2	322	13.0	2	322	13.0
173.applu	2	401	12.1	2	384	12.7
177.mesa	2	195	16.7	2	195	16.7
178.galgel	2	251	26.8	1	112	30.2
179.art	2	627	9.62	1	119	25.4
183.equake	2	209	14.4	2	211	14.3
187.facerec	2	228	19.4	2	227	19.4
188.ammp	2	385	13.3	2	403	12.7
189.lucas	2	323	14.3	1	149	15.6
191.fma3d	2	384	12.7	2	384	12.7
200.sixtrack	2	277	9.21	2	276	9.23
301.apsi	2	666	9.05	2	412	14.6

Hardware

CPU:	Intel Xeon processor
CPU MHz:	3200
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 + 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 8.0 Build 20031017Z Intel Fortran Compiler 8.0 Build 20040125Z
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 -QxN -O3 +FDO
Peak tuning:
168.wupwise:  -Qipo -QxN  -O3 +FDO
171.swim:     -Qipo -QxN  -O3 +FDO
172.mgrid:    -Qipo -QxN  -O3 +FDO
173.applu:    -Qipo -QxN  -O3 -Qscalar_rep- -Qauto +FDO
177.mesa:     -O3 -QxN -Qipo -Oa -Qscalar_rep- +FDO
178.galgel:   -Qipo -QxN  -O3 +FDO  users=1
179.art:      -Oa -Qipo -Qunroll4 -Zp4   users=1
183.equake:   -Qipo -QxN  -Oa -Qrcd +FDO
187.facerec:  -O3 -QxN -Qipo -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxN
189.lucas:    -QxN  -Qipo -O3 -Qprefetch- +FDO  users=1
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

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