CFP2000 Result

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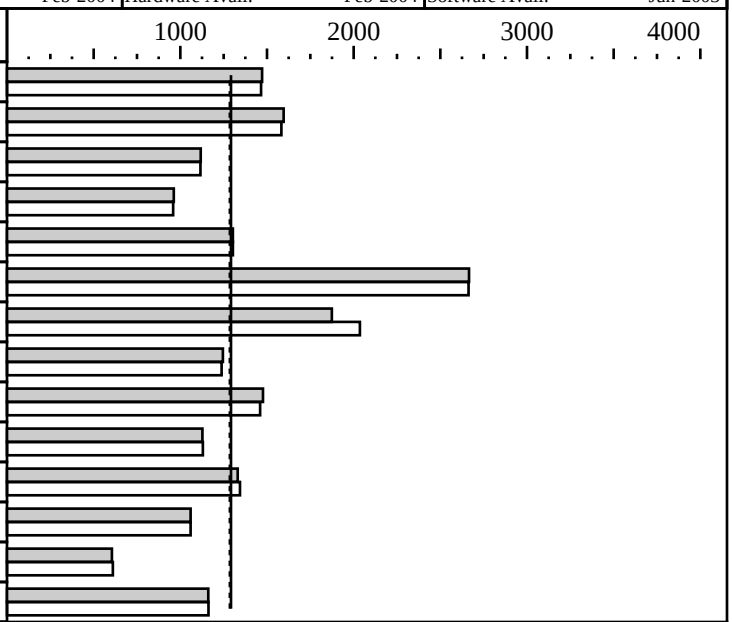
IBM Corporation
IBM x335(3.2GHz, 533MHZ FSB)

SPECfp2000 = 1292

SPECfp_base2000 = 1286

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	109	1472	109	1466
171.swim	3100	194	1596	196	1583
172.mgrid	1800	161	1118	161	1116
173.applu	2100	218	962	219	959
177.mesa	1400	107	1303	107	1303
178.galgel	2900	109	2666	109	2663
179.art	2600	139	1874	128	2036
183.equake	1300	104	1246	105	1238
187.facerec	1900	129	1477	130	1460
188.ammp	2200	195	1127	195	1130
189.lucas	2000	150	1331	149	1344
191.fma3d	2100	198	1059	198	1059
200.sixtrack	1100	182	605	180	611
301.apsi	2600	224	1161	224	1162



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 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
```