CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

IBM Corporation

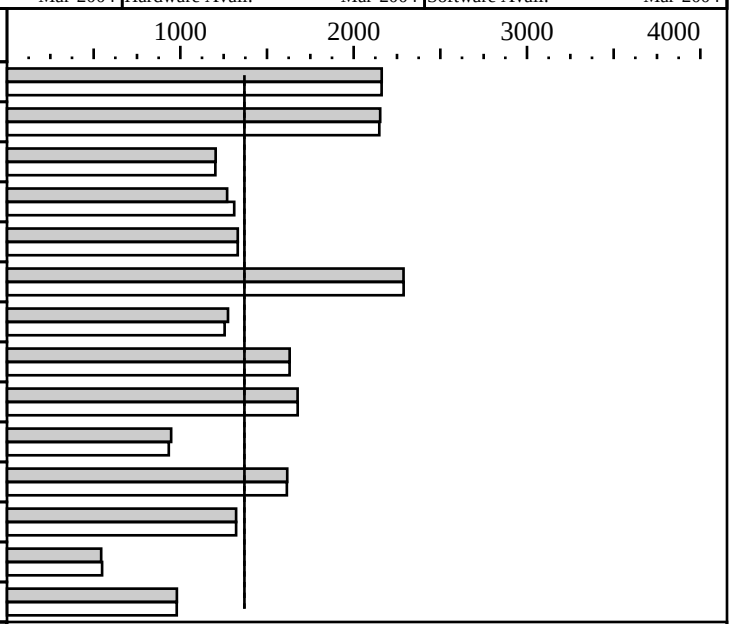
IBM x306(3.0E GHz, Pentium 4 processor)

SPECfp2000 = 1370

SPECfp_base2000 = 1369

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	74.0	2162	74.0	2161
171.swim	3100	144	2153	144	2148
172.mgrid	1800	150	1204	150	1202
173.applu	2100	165	1270	160	1311
177.mesa	1400	105	1331	105	1331
178.galgel	2900	127	2288	127	2288
179.art	2600	204	1275	207	1256
183.equake	1300	79.7	1631	79.7	1630
187.facerec	1900	113	1677	113	1677
188.ammp	2200	232	947	236	933
189.lucas	2000	124	1617	124	1615
191.fma3d	2100	159	1322	159	1322
200.sixtrack	1100	202	543	201	549
301.apsi	2600	265	980	266	979



Hardware

CPU:	Intel Pentium 4 (800Mhz FSB)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper Threading Disabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12kB(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x1GB PC3200 CL3 ECC DDR SDRAM UDIMM (Samsung)
Disk Subsystem:	1x80GB S-ATA 7200 RPM (Maxtor 6Y080M0)
Other Hardware:	None

Software

Operating System:	Windows Server 2003, Standard Edition (Build 3790)
Compiler:	Intel C++ Compiler 8.0 Build 20040211Z Intel Fortran Compiler 8.0 Build 20040211Z
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
Portability:
178.galgel:   -FI /F32000000

ONESTEP=yes for all base and peak runs  +FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use (-QxP not used in PASS1)
Base tuning:  -QxP -fast -Qansi_alias +FDO
Peak tuning:
168.wupwise:  -QxP -fast -Qansi_alias +FDO
171.swim:     -QxP -fast -Qansi_alias +FDO
172.mgrid:    -QxP -fast -Qansi_alias +FDO
173.applu:    -QxP -fast -Qscalar_rep- -Qauto +FDO
177.mesa:     -QxP -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxP -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxP -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -QxP -Oa
189.lucas:    -QxP -fast -Qprefetch- +FDO
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi:     -QxP -fast +FDO

NOTE:
Hyper-Threading(ht) is disabled
```