CFP2000 Result

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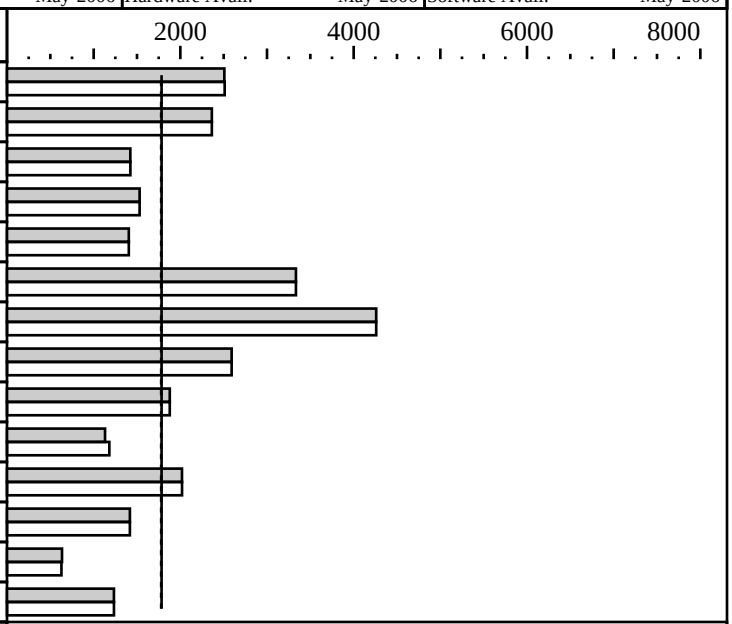
CAIRA
PCSC32-E (3.2 GHz Intel pentium 4)

SPECfp2000 = 1783

SPECfp_base2000 = 1779

SPEC license #: 3195 | Tested by: CAIRA | Test date: May-2006 | Hardware Avail: May-2006 | Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	63.8	2508	63.7	2512
171.swim	3100	131	2364	131	2364
172.mgrid	1800	127	1423	126	1424
173.applu	2100	137	1530	137	1530
177.mesa	1400	99.6	1405	99.6	1405
178.galgel	2900	87.0	3334	87.0	3334
179.art	2600	61.0	4260	61.0	4260
183.equake	1300	50.2	2592	50.2	2592
187.facerec	1900	101	1878	101	1878
188.ammp	2200	194	1131	186	1181
189.lucas	2000	99.1	2019	99.0	2020
191.fma3d	2100	148	1418	148	1418
200.sixtrack	1100	173	635	175	628
301.apsi	2600	211	1234	211	1234



Hardware

CPU:	Intel P4 (3.2 GHz, 2MB L2, 800MHz system bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip(Hyper-Threading Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12KB(I) micro-ops + 16KB(D) on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2 x 256 MB ECC DDR2-533 SDRAM Dual Channel
Disk Subsystem:	1 x 80GB SATA HDD
Other Hardware:	

Software

Operating System:	Microsoft Windows XP
Compiler:	Intel(R) C++ Compiler for 32-bit, Version 9.0 Intel(R) Fortran Compiler for 32-bit, Version 9.0 Microsoft Visual Studio .NET 2003 (for libraries) MicroQuill SmartHeap version 8.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
 +FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
+FDO*: FDO (-QxP not used in PASS1 to enable cross-compilation)
 Base tuning for Fortran Programs :  -fast -Qansi_alias -Qprof_gen +FDO
 177.mesa:Base for C Program: -fast -Qprof_gen shlw32m.lib
 179.art:Base for C Program: -fast -Qprof_gen shlw32m.lib
 183.equake:Base for C Program: -fast -Qprof_gen shlw32m.lib
 188.ammp:Base for C Program: -fast -Qprof_gen shlw32m.lib
 Portability flags:
 178.galgel:   -FI /F32000000
 Peak tuning:
 168.wupwise:  -fast -Qansi_alias +FDO
 171.swim:     basepeak=yes
 172.mgrid:    -fast -Qansi_alias +FDO
 173.applu:  basepeak=yes
 177.mesa:   basepeak=yes
 178.galgel:   -fast -Qansi_alias +FDO
 179.art:      basepeak=yes
```

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Notes/Tuning Information (Continued)

```
183.equake:   -fast -Oa -Qrcd -Qprof_gen shlw32m.lib ONESTEP=yes
187.facerec:  basepeak=yes
188.ammp:     -fast -Oa +FDO
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO*
301.apsi:     -fast +FDO
```