CFP2000 Result

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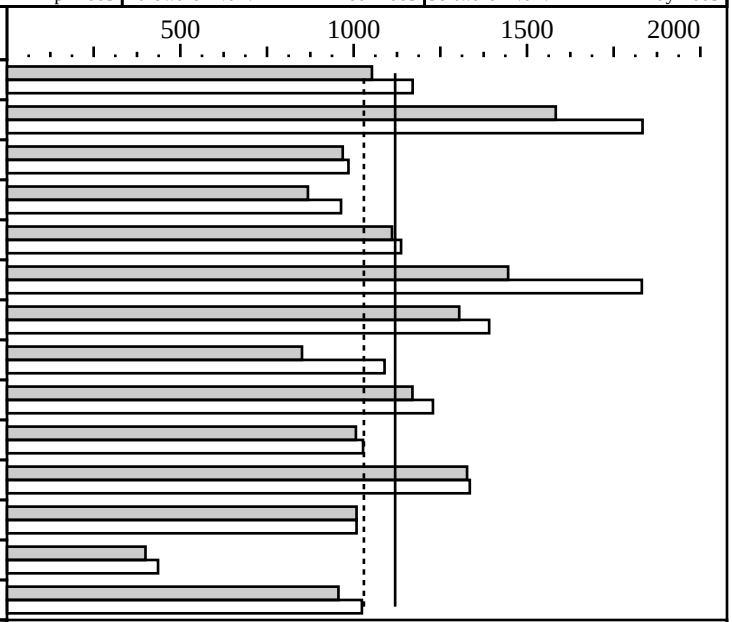
Einux
A4800

SPECfp2000 = 1120

SPECfp_base2000 = 1029

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Apr-2003 | Hardware Avail: Jul-2003 | Software Avail: May-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	152	1053	137	1170
171.swim	3100	196	1583	169	1833
172.mgrid	1800	186	968	183	985
173.applu	2100	242	868	218	964
177.mesa	1400	126	1111	123	1137
178.galgel	2900	201	1446	158	1831
179.art	2600	199	1304	187	1391
183.equake	1300	153	851	119	1089
187.facerec	1900	162	1170	155	1229
188.ammp	2200	219	1006	214	1027
189.lucas	2000	151	1327	150	1335
191.fma3d	2100	208	1008	208	1008
200.sixtrack	1100	275	400	252	436
301.apsi	2600	272	956	254	1024



Hardware

CPU:	AMD Opteron 142, 1.6 GHz
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2,4
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x512MB PC2700 DDR ECC Reg SDRAM CL2.5
Disk Subsystem:	IDE 7200 RPM
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition
Compiler:	Intel C/C++ 7.0 build 20021212Z and Intel Fortran 7.0 build 20021212Z Compaq Visual Fortran Compiler Version 6.6 (Update B) Microsoft Visual Studio .NET (libraries)7.0.9466 MicroQuill Smartheap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
icl and ifl are the Intel C/C++ and Fortran compilers
f90 is the Compaq Fortran compiler
shlW32M6.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
Portability:
  178.galgel: -FI -Fe$@ -link -stack:32000000
Baseline: C       icl +FD0 -O3 -QxW  -Qipo
Baseline: Fortran ifl +FDO -O3 -QxW  -Qipo
Peak tuning:
  168.wupwise:    ifl +FD0     -QxK  -Qipo -Ow
  171.swim:       f90 -Optimize:5 -alignment:dcommons -alignment:records
                      -alignment:sequence -architecture:k7
                      -assume:noaccuracy_sensitive -math_library:fast -tune:k7
  172.mgrid:      ifl +FD0 -O3 -QaxW -Qipo -Oa -Qprefetch-
  173.applu:      ifl +FD0 -O3 -QxK  -Qipo     -Qscalar_rep-           -Zp8
  177.mesa:       icl +FD0 -O3 -QxW  -Qipo -Oa -Qscalar_rep-
  178.galgel:     f90 -Optimize:5 -fast
```

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Notes/Tuning Information (Continued)

```
  179.art:        icl                -Qipo -Oa                -Qunroll4 -Zp4
  183.equake:     icl      -O3 -QxK  -Qipo -Oa shlW32M6.lib             -Zp4
  187.facerec:    ifl +FD0 -O3 -QaxW -Qipo     -Qscalar_rep- -Qunroll1
  188.ammp:       icl           -QxW        -Oa
  189.lucas:      ifl +FD0 -O3 -QxW  -Qipo     -Qprefetch-
  191.fma3d:      ifl basepeak=1
  200.sixtrack:   ifl                -Qipo -Oa                          -Zp4
  301.apsi:       f90 -Optimize:5 -fast
ONESTEP is used for all base and peak runs
```