CFP2000 Result

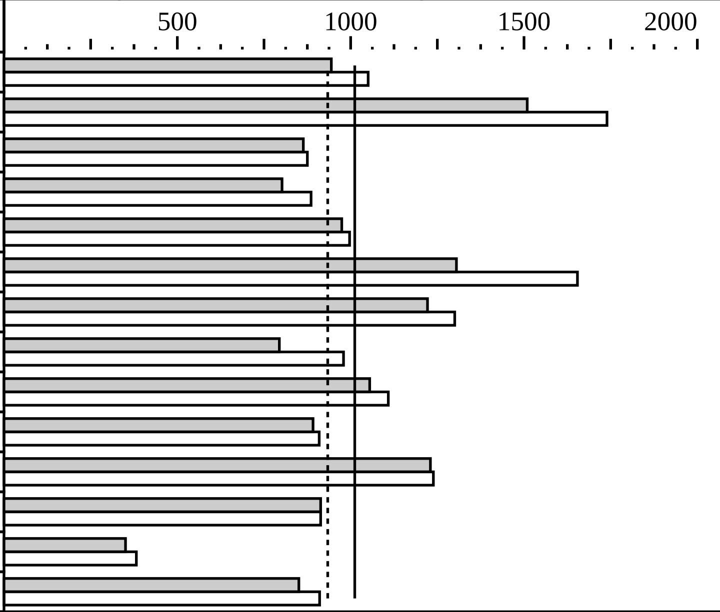
Einux
A4800

SPECfp2000 = 1012

SPECfp_base2000 = 934

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	169	944	152	1050
171.swim	3100	205	1509	178	1739
172.mgrid	1800	208	863	206	875
173.applu	2100	262	802	237	886
177.mesa	1400	144	974	140	997
178.galgel	2900	222	1305	175	1654
179.art	2600	213	1222	200	1300
183.equake	1300	164	794	133	979
187.facerec	1900	180	1055	171	1109
188.ammp	2200	247	891	242	909
189.lucas	2000	163	1230	161	1239
191.fma3d	2100	230	913	230	913
200.sixtrack	1100	314	351	288	382
301.apsi	2600	306	851	286	910



Hardware

CPU:	AMD Opteron 140, 1.4 GHz
CPU MHz:	1400
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 +FDO -O3 -QxW  -Qipo
Baseline: Fortran ifl +FDO -O3 -QxW  -Qipo
Peak tuning:
  168.wupwise:    ifl +FDO     -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 +FDO -O3 -QaxW -Qipo -Oa -Qprefetch-
  173.applu:      ifl +FDO -O3 -QxK  -Qipo     -Qscalar_rep-           -Zp8
  177.mesa:       icl +FDO -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
```