CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

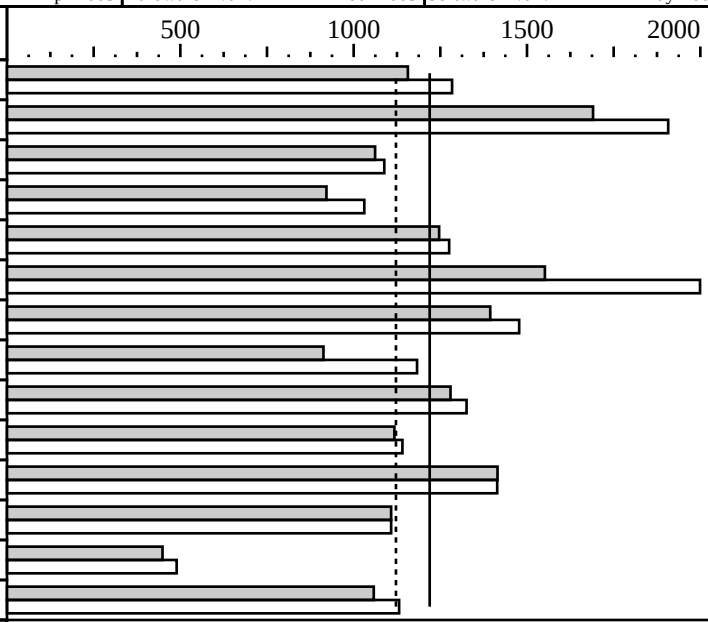
Einux
A4800

SPECfp2000 = 1219

SPECfp_base2000 = 1122

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	138	1156	125	1284
171.swim	3100	183	1691	163	1907
172.mgrid	1800	170	1062	165	1088
173.applu	2100	228	921	204	1031
177.mesa	1400	112	1247	110	1275
178.galgel	2900	187	1552	145	1999
179.art	2600	187	1394	176	1477
183.equake	1300	142	913	110	1183
187.facerec	1900	149	1279	143	1326
188.ammp	2200	197	1117	193	1141
189.lucas	2000	141	1415	141	1414
191.fma3d	2100	190	1108	190	1108
200.sixtrack	1100	245	449	225	489
301.apsi	2600	246	1058	230	1131



Hardware

CPU:	AMD Opteron 144, 1.8 GHz
CPU MHz:	1800
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 Registered 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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Einux
A4800

SPECfp2000 = 1219
SPECfp_base2000 = 1122

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

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
```