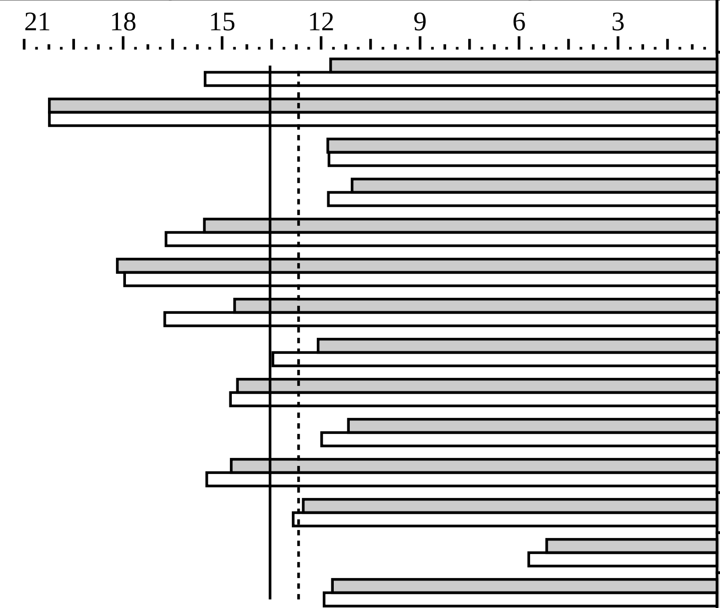
CFP2000 Result

Einux
A4800

SPECfp_rate2000 = 13.5
SPECfp_rate_base2000 = 12.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	158	11.7	1	120	15.5
171.swim	1	178	20.2	1	178	20.2
172.mgrid	1	177	11.8	1	178	11.8
173.applu	1	220	11.1	1	207	11.8
177.mesa	1	105	15.5	1	97.2	16.7
178.galgel	1	185	18.2	1	187	18.0
179.art	1	206	14.6	1	180	16.7
183.equake	1	125	12.1	1	112	13.5
187.facerec	1	152	14.5	1	149	14.7
188.ammp	1	228	11.2	1	213	12.0
189.lucas	1	158	14.7	1	150	15.5
191.fma3d	1	194	12.5	1	190	12.8
200.sixtrack	1	247	5.16	1	224	5.71
301.apsi	1	259	11.7	1	253	11.9

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:	SuSE Linux Enterprise Server 8 for AMD64
Compiler:	Intel C/C++ 7.0 build 20021212Z and Intel Fortran 7.0 build 20021212Z
File System:	ext2
System State:	Run level 3

Notes/Tuning Information

```
The binaries were built on SuSE Linux Professional 8.1 running on an Opteron system
+FDO: PASS1=-prof_gen  PASS2=-prof_use
icc and ifc are the Intel C/C++ and Fortran compilers
Portability:
  178.galgel:         -FI
Baseline: C       icc +FDO -O3 -xW      -ipo
Baseline: Fortran ifc +FDO -O3 -xW      -ipo
Peak tuning:
  168.wupwise:    ifc -xK -axW -ipo -fno-alias -Qoption,f,-ip_ninl_max_stats=2000,
                      -Qoption,f,-ip_ninl_max_total_stats=4500
  171.swim:       ifc +FDO -O3 -xK      -ipo -unroll2     -prefetch-
  172.mgrid:      ifc +FDO -O3     -axW -ipo -fno-alias
  173.applu:      ifc +FDO -O3 -xK      -ipo -scalar_rep-
  177.mesa:      icc +FDO -O3 -xW -ipo -fno-alias -Qoption,c,-ip_ninl_max_stats=1500
                      -Qoption,c,-ip_ninl_max_total_stats=3500 -static
  178.galgel:     ifc +FDO -O3 -xW      -ipo -unroll1
  179.art:        icc          -xW      -ipo -fno-alias   -nolib_inline
```

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Notes/Tuning Information (Continued)

```
    183.equake:     icc      -O3 -xK      -ipo -fno-alias
    187.facerec:    ifc +FDO -O3     -axW -ipo -unroll1
    188.ammp:       icc      -O3 -xW           -fno-alias   -prefetch-
    189.lucas:      ifc +FDO     -xW      -ipo -static      -auto
    191.fma3d:      ifc +FDO -O3 -xW      -ipo -static      -Zp8
    200.sixtrack:   ifc                   -ipo -fno-alias   -align
    301.apsi:       ifc +FDO     -xW      -ipo -fno-alias   -ansi_alias-
  ONESTEP is used for all base and peak runs
```