CFP2000 Result

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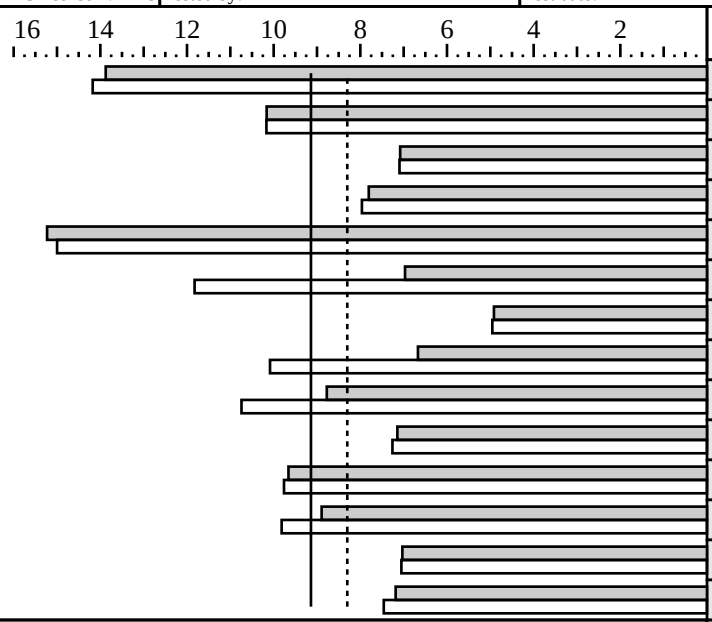
Advanced Micro Devices

Tyan Thunder K7 Motherboard, 1.2GHz Athlon MP Processor

SPECfp_rate2000 = 9.14

SPECfp_rate_base2000 = 8.30

SPEC license #: 49 | Tested by: AMD | Test date: May-2001 | Hardware Avail: Jun-2001 | Software Avail: Jan-2001



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	268	13.9	2	262	14.2
171.swim	2	708	10.2	2	707	10.2
172.mgrid	2	590	7.08	2	588	7.10
173.applu	2	624	7.81	2	612	7.96
177.mesa	2	213	15.2	2	217	15.0
178.galgel	2	965	6.97	2	569	11.8
179.art	2	1227	4.92	2	1218	4.95
183.equake	2	452	6.67	2	299	10.1
187.facerec	2	502	8.77	2	410	10.7
188.ammp	2	714	7.15	2	703	7.26
189.lucas	2	480	9.66	2	475	9.76
191.fma3d	2	548	8.89	2	496	9.82
200.sixtrack	2	363	7.03	2	362	7.05
301.apsi	2	840	7.18	2	809	7.46

Hardware

CPU:	1.2GHz AMD Athlon MP AHD1200AMS3C
CPU MHz:	1200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2x256MB PC2100 DDR SDRAM CL2 Registered
Disk Subsystem:	IDE IBM Deskstar DTLA-307020
Other Hardware:	None

Software

Operating System:	Windows 2000 SP1
Compiler:	Compaq Visual Fortran 6.5A Intel C/C++ 5.0 build 001120 Intel Fortran 5.0 build 001120 Microsoft Visual Studio 6.0 (libraries) MicroQuill Smartheap Library 5.0
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
shlW32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
Portability:
178.galgel: -FI -Fe$@ -link -stack:32000000
Baseline: C       icl -QxK -Qipo +FDO
Baseline: Fortran ifl -O3 -QxK -Qipo +FDO
Peak tuning:
168.wupwise:  ifl -O3 -QxK -Qipo +FDO
171.swim:     ifl -O3 -QxK -Qipo +FDO
172.mgrid:    ifl -O3 -QaxK -Qipo +FDO
173.applu:    ifl -O3 -QxK -Qipo +FDO
177.mesa:     icl -QxK -Qipo -Oa +FDO shlW32M.lib
178.galgel:   f90 -Optimize:5 -fast
179.art:      icl -QxK -Qipo -Oa +FDO shlW32M.lib
183.equake:   icl -QxK -Qipo -Qrcd -Oa +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
 187.facerec:  f90 -Optimize:5 -fast
 188.ammp:     icl -QxK -Qipo -Oa +FDO
 189.lucas:    ifl -O3 -QxK -Qipo +FDO shlW32M.lib
 191.fma3d:    f90 -Optimize:5 -fast
 200.sixtrack: ifl -QxK -Qipo +FDO
 301.apsi:     f90 -Optimize:5 -fast
 Library ordering for 189.lucas (to include SmartHeap correctly with default libs):
 LIBS=libIEPCF90.lib libintrins.lib libF90.lib
 libqwind.lib libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
 ONESTEP is used for all base and peak runs
The tested system can be assembled using a case such as the Chenming 601 AE-F-O,
a 460W power supply such as the Delta Electronics Model DPS-465 AB A
The System bus runs at 266MHz
```