CFP2000 Result

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Advanced Micro Devices

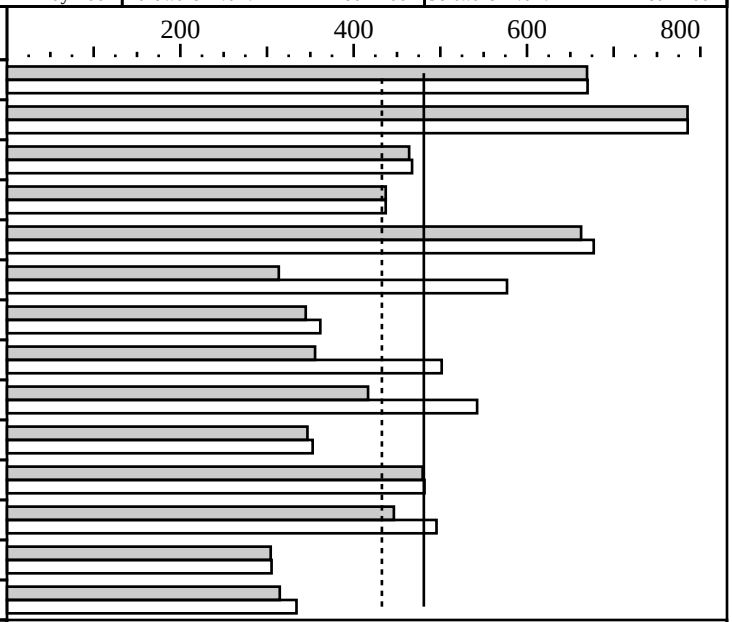
Tyan Thunder K7 Motherboard, 1.2GHz Athlon MP Processor

SPECfp2000 = 481

SPECfp_base2000 = 433

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	239	669	239	670
171.swim	3100	395	785	395	785
172.mgrid	1800	388	464	385	467
173.applu	2100	481	437	481	437
177.mesa	1400	211	662	207	677
178.galgel	2900	925	314	503	577
179.art	2600	754	345	719	362
183.equake	1300	366	355	259	502
187.facerec	1900	456	417	350	542
188.ammp	2200	635	347	624	353
189.lucas	2000	417	480	415	482
191.fma3d	2100	470	446	424	496
200.sixtrack	1100	362	304	360	305
301.apsi	2600	826	315	778	334



Hardware

CPU:	1.2GHz AMD Athlon MP AHD1200AMS3C
CPU MHz:	1200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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:	256MB 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
```