CFP2000 Result

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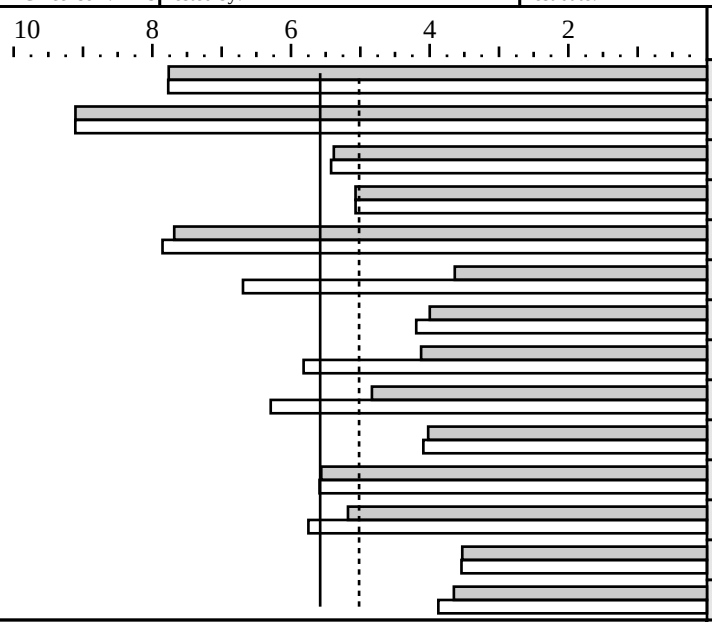
Advanced Micro Devices

Tyan Thunder K7 Motherboard, 1.2GHz Athlon MP Processor

SPECfp_rate2000 = 5.58

SPECfp_rate_base2000 = 5.02

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	1	239	7.76	1	239	7.77
171.swim	1	395	9.11	1	395	9.11
172.mgrid	1	388	5.38	1	385	5.42
173.applu	1	481	5.07	1	481	5.07
177.mesa	1	211	7.68	1	207	7.85
178.galgel	1	925	3.64	1	503	6.69
179.art	1	754	4.00	1	719	4.19
183.equake	1	366	4.12	1	259	5.82
187.facerec	1	456	4.83	1	350	6.29
188.ammp	1	635	4.02	1	624	4.09
189.lucas	1	417	5.56	1	415	5.59
191.fma3d	1	470	5.18	1	424	5.75
200.sixtrack	1	362	3.53	1	360	3.54
301.apsi	1	826	3.65	1	778	3.87

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
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