CFP2000 Result

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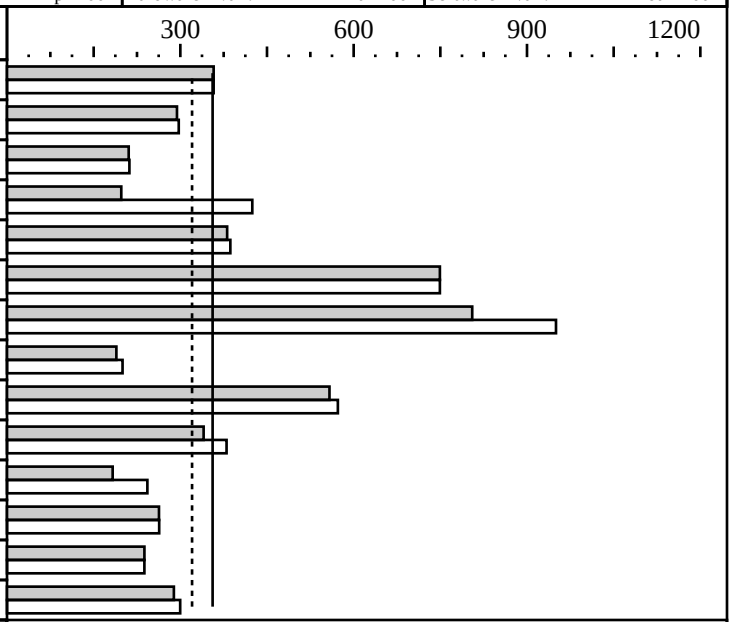
Sun Microsystems
Sun Fire 280R

SPECfp2000 = 356

SPECfp_base2000 = 320

SPEC license #: 6 | Tested by: Sun Microsystems, Palo Alto | Test date: Apr-2001 | Hardware Avail: Mar-2001 | Software Avail: Jan-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	447	358	447	358
171.swim	3100	1054	294	1043	297
172.mgrid	1800	855	211	850	212
173.applu	2100	1062	198	495	425
177.mesa	1400	367	381	362	387
178.galgel	2900	387	749	387	749
179.art	2600	323	805	274	950
183.equake	1300	687	189	650	200
187.facerec	1900	340	558	332	573
188.ammp	2200	646	340	579	380
189.lucas	2000	1094	183	823	243
191.fma3d	2100	798	263	797	263
200.sixtrack	1100	462	238	463	238
301.apsi	2600	900	289	867	300



Hardware

CPU:	UltraSPARC-III
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	None
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	8MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	4GB
Disk Subsystem:	1 x 36GB + 1 x 9GB
Other Hardware:	--

Software

Operating System:	Solaris 8 1/01
Compiler:	Forte Developer 6 update 1 with patches
File System:	UFS
System State:	single user

Notes/Tuning Information

```
Portability:
178.galgel    : -e -fixed

Base Flags:
Base C   flags: -fast -xcrossfile -xalias_level=std -xprofile
Base F90 flags: -fast -xcrossfile -xprofile

Peak Flags:
168.wupwise   : basepeak = yes
171.swim      : -fast -xchip=ultra2
172.mgrid     : f77 -fast -xregs=syst
173.applu     : f77 -fast -Qoption iropt -Adata_access,-Mt6000,-Mm12000,-Mr40000,-Ma400,-whole -xregs=syst
177.mesa      : -fast -xcrossfile -xalias_level=strong -xprofile
178.galgel    : basepeak = yes
179.art       : -fast -xalias_level=strong -xdepend -xregs=syst -xprofile -dn -lmopt
183.equake    : -fast -xalias_level=strong -xdepend -xprofile -lmopt
```

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Notes/Tuning Information (Continued)

```
187.facerec   : -fast -xcrossfile -stackvar -xprofile
188.ammp      : -fast -xcrossfile -xalias_level=strong -xdepend -xregs=syst -W2,-whole -xprefetch -xprofile
189.lucas     : -fast -qoption f90comp -array_pad_rows,1024 -Qoption iropt -whole -xprofile
191.fma3d     : -fast -xcrossfile -stackvar -xprofile
200.sixtrack  : -fast -xcrossfile -xprofile
301.apsi      : -fast -qoption f90comp -expansion -xprofile

Note: ONESTEP=yes for all benchmarks.
Stack size set to unlimited by: ulimit -s unlimited

Note: Forte Developer 6 update 1 patches include:
   109503-07,109504-01,109505-08,109506-06,109508-01,109510-01,109513-06
System configuration details located (as of 06/26/2001) at http://www.sun.com/servers/workgroup/280r
Patch 111228-01 and obp 4.0.46 (or later) is required.
```