CFP2000 Result

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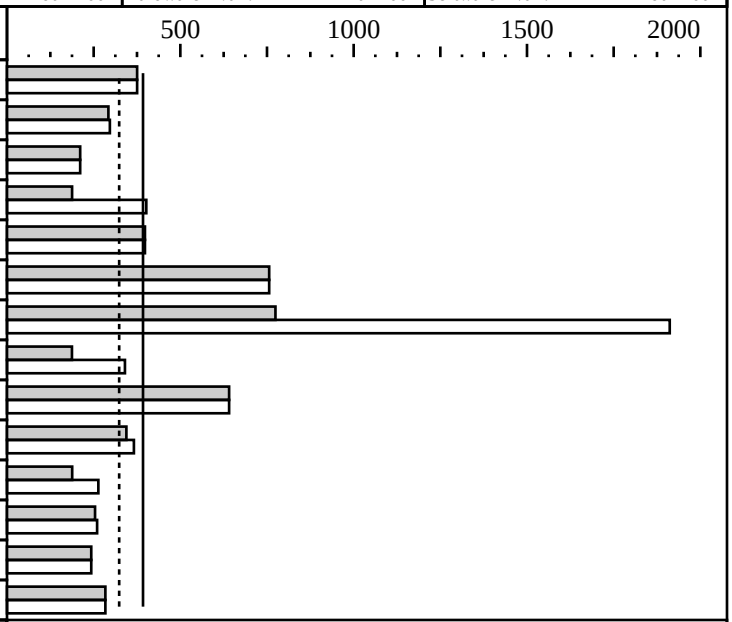
Sun Microsystems
Sun Fire 280R

SPECfp2000 = 392

SPECfp_base2000 = 324

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	426	375	426	375
171.swim	3100	1060	293	1045	297
172.mgrid	1800	853	211	853	211
173.applu	2100	1118	188	523	402
177.mesa	1400	352	398	352	398
178.galgel	2900	383	756	383	756
179.art	2600	336	774	136	1912
183.equake	1300	694	187	382	340
187.facerec	1900	297	641	297	641
188.ammp	2200	639	344	601	366
189.lucas	2000	1064	188	759	264
191.fma3d	2100	827	254	808	260
200.sixtrack	1100	453	243	453	243
301.apsi	2600	916	284	916	284



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 2
File System:	UFS
System State:	Single User

Notes/Tuning Information

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

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

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

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Notes/Tuning Information (Continued)

```
    -W2,-whole,-Amemopt -xprofile -dn -lmopt
 183.equake    : -fast -xalias_level=strong -xdepend
    -W2,-whole,-Amemopt -xprofile -lmopt
 187.facerec   : basepeak=yes
 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  : basepeak=yes
 301.apsi      : basepeak=yes

Note:
 ONESTEP=yes for all benchmarks.

System configuration details located (as of Jun 2001)
at http://www.sun.com/servers/workgroup/280r
```