CFP2000 Result

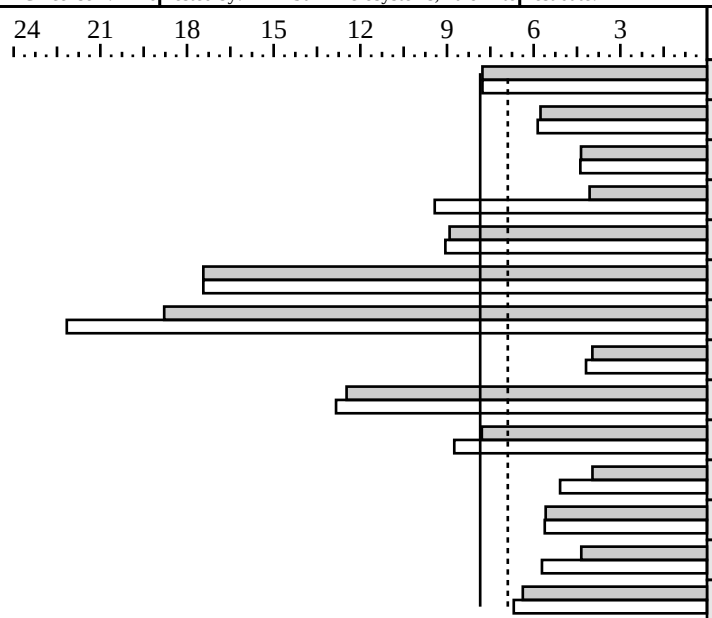
Copyright ©1999-2004, Standard Performance Evaluation Corporation

Sun Microsystems
Sun Fire 280R

SPECfp_rate2000 = 7.85

SPECfp_rate_base2000 = 6.90

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	478	7.77	2	478	7.77
171.swim	2	1248	5.76	2	1227	5.86
172.mgrid	2	958	4.36	2	953	4.38
173.applu	2	1199	4.06	2	517	9.42
177.mesa	2	365	8.91	2	359	9.06
178.galgel	2	386	17.4	2	386	17.4
179.art	2	321	18.8	2	272	22.2
183.equake	2	760	3.97	2	720	4.19
187.facerec	2	353	12.5	2	343	12.8
188.ammp	2	655	7.79	2	583	8.75
189.lucas	2	1170	3.96	4	1825	5.09
191.fma3d	2	872	5.58	4	1735	5.62
200.sixtrack	2	586	4.35	4	893	5.71
301.apsi	2	946	6.38	4	1804	6.69

Hardware

CPU:	UltraSPARC-III
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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.
```