CFP2000 Result

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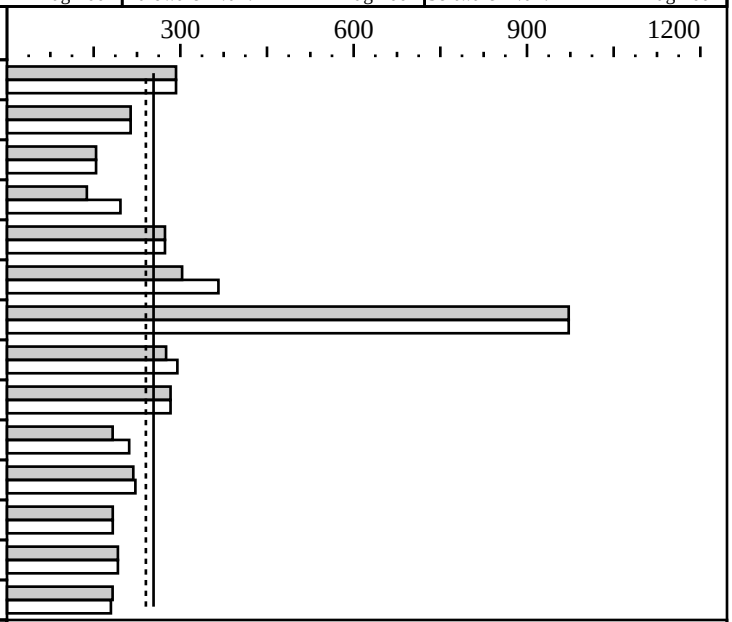
Sun Microsystems
Sun Blade 150 (550 MHz)

SPECfp2000 = 254

SPECfp_base2000 = 240

SPEC license #: 6 | Tested by: Sun Microsystems, Palo Alto | Test date: Aug-2002 | Hardware Avail: Aug-2002 | Software Avail: Aug-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	547	293	547	293
171.swim	3100	1449	214	1449	214
172.mgrid	1800	1168	154	1168	154
173.applu	2100	1520	138	1070	196
177.mesa	1400	512	273	512	273
178.galgel	2900	957	303	792	366
179.art	2600	267	972	267	972
183.equake	1300	472	275	441	295
187.facerec	1900	671	283	671	283
188.ammp	2200	1203	183	1040	211
189.lucas	2000	915	219	900	222
191.fma3d	2100	1147	183	1147	183
200.sixtrack	1100	573	192	573	192
301.apsi	2600	1423	183	1446	180



Hardware

CPU:	UltraSPARC IIi
CPU MHz:	550
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	512KB (I+D) on chip
L3 Cache:	None
Other Cache:	None
Memory:	256MB
Disk Subsystem:	1 x Seagate ST340016A
Other Hardware:	None

Software

Operating System:	Solaris 8 2/02
Compiler:	Sun ONE Studio 7 and Sun Performance Library 7
File System:	ufs
System State:	Multi-User

Notes/Tuning Information

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

Profile Feedback (-xprofile):
       fdo_pre0: rm -rf ./feedback.profile ./SunWS_cache
         Pass 1: -xprofile=collect:./feedback
         Pass 2: -xprofile=use:./feedback
Base Flags:
 Base C   flags: -fast -xipo=2 -xalias_level=std -xprofile
 Base F90 flags: -fast -xcrossfile -xprofile

Peak Flags:
    168.wupwise: basepeak=yes
       171.swim: basepeak=yes
      172.mgrid: basepeak=yes
     173.applu:  -fast -xchip=ultra3 -Qoption iropt -Adata_access,-Mt7000,-Mm14000,-Mr40000,-Ma400,-whole
```

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Notes/Tuning Information (Continued)

```
                    -xregs=syst -Qoption iropt -Rscalarrep,-MR -Qoption cg
                    -Qlp=1-av=192-fa=1 -Qoption f90comp -O3 -xprofile
        177.mesa: basepeak=yes
    178.galgel: -fast -xcrossfile -xregs=syst -Qoption iropt -Addint:sf=9 -xlic_lib=sunperf -lsunperf -xprofile
         179.art: basepeak=yes
      183.equake: -fast -xchip=ultra3 -xipo=2 -xalias_level=std -lmopt -xprofile
      187.facerec: basepeak=yes
        188.ammp: -fast -xchip=ultra3 -xcrossfile -xalias_level=std -xprofile
       189.lucas: -fast -xchip=generic -xcrossfile -Qoption cg -Qms_pipe=a -xprofile
       191.fma3d: basepeak=yes
   200.sixtrack: basepeak=yes
       301.apsi: -fast -Qoption iropt -Mt450 -xprofile
ONESTEP=yes for all benchmarks except 179.art in peak
ONESTEP=yes for Fortran benchmarks in base


 Stack size set to unlimited via "ulimit -s unlimited"

Software Patches: All patches for the Sun ONE Studio 7 Compiler (Product Patches and
OS patches) as recommended by http://access1.sun.com/sundev/s1s7-patches.html on Aug
the 7th, 2002 were installed (111704-03 111705-02 111706-01 111708-01 111709-01
111714-01 111715-01 111716-02 111718-01 111723-01 108434-08 108435-08 111697-03
111721-02)
```