CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

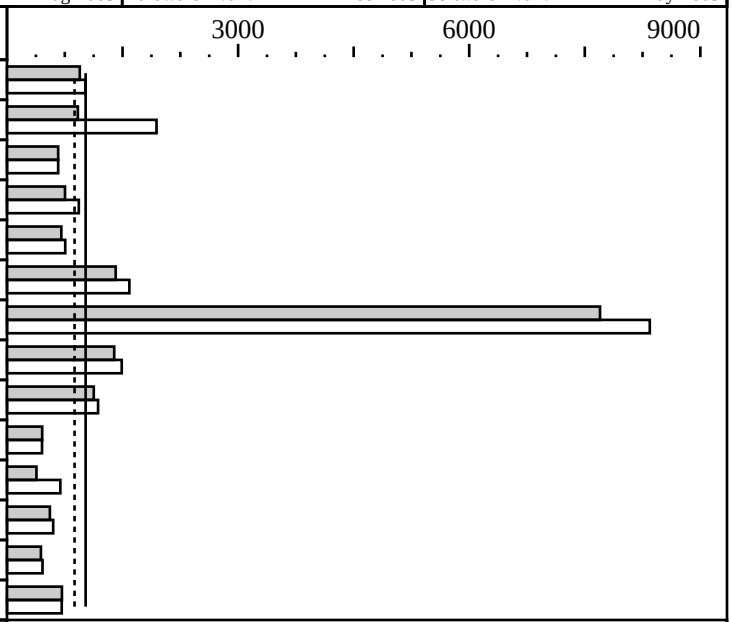
Sun Microsystems
Sun Blade 2500 (1.28GHz)

SPECfp2000 = 1021

SPECfp_base2000 = 877

SPEC license #: 6 | Tested by: Sun Microsystems, Santa Clara | Test date: Aug-2003 | Hardware Avail: Dec-2003 | Software Avail: May-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	169	945	157	1017
171.swim	3100	337	920	160	1941
172.mgrid	1800	271	664	271	664
173.applu	2100	279	753	225	932
177.mesa	1400	199	705	185	756
178.galgel	2900	206	1411	183	1588
179.art	2600	33.8	7698	31.2	8344
183.equake	1300	93.4	1392	87.3	1489
187.facerec	1900	169	1126	161	1182
188.ammp	2200	482	457	484	455
189.lucas	2000	523	382	289	692
191.fma3d	2100	377	557	350	599
200.sixtrack	1100	250	440	239	461
301.apsi	2600	365	713	366	711



Hardware

CPU:	UltraSPARC IIIi
CPU MHz:	1280
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	1MB(I+D) on chip
L3 Cache:	None
Other Cache:	None
Memory:	4GB (4x1GB DIMM)
Disk Subsystem:	1x36GB 10K RPM SCSI
Other Hardware:	None

Software

Operating System:	Solaris 8 HW 5/03
Compiler:	Sun ONE Studio 8 Sun Performance Library 8
File System:	ufs with ufs logging
System State:	Multi-User

Notes/Tuning Information

```
Compiler invocation:
  C: cc
  F90: f90
  F77: f90

Floating point base flags:
    C:  -fast -xipo=2 -xalias_level=std with ONESTEP=yes and feedback
  F90:  -fast -xipo=2 with ONESTEP=yes and feedback

Floating point peak flags:
 ONESTEP=yes and feedback for all benchmarks, unless otherwise noted

 168.wupwise: -fast -xipo=2 -Qoption iropt -Ainline:inc=800:cp=1
 171.swim:    -fast -xpad=common:384 -xprefetch=latx:1.6
              -Qoption iropt -Atile:skewp:b6,-Ainline:cs=700
              (no feedback)
 172.mgrid:   -fast -xipo=2
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
 173.applu:    -fast -xipo=2
               -Qoption cg -Qlp=1-av=192-fa=1,-Qms_pipe+prefolim=7
               -Qoption iropt -Aujam:inner=g
 177.mesa:     -fast -xipo=2 -xalias_level=strong -xrestrict
               -Wc,-Qms_pipe+unoovf
 178.galgel:   -fast -xipo=2 -Qoption iropt -Addint:sf=9 -xlic_lib=sunperf
               RM_SOURCES=lapak.f90
 179.art:      -fast -xipo=2 -xalias_level=std -xprefetch=latx:1.5
 183.equake:   -fast -xipo=2 -xalias_level=strong -xprefetch_level=2
 187.facerec:  -fast -xipo=2 -xprefetch=latx:1.5
 188.ammp:     -fast -xipo=2 -xalias_level=std -lmopt -lm
 189.lucas:    -fast  -xprefetch_level=3 -Qoption iropt -Apf:pdl=1
               -Qoption f90comp -array_pad_rows,1977
 191.fma3d:    -fast -stackvar -xprefetch_level=3
               -Qoption iropt -Apf:pdl=1
 200.sixtrack:-O -dalign -xchip=ultra3 -xarch=v8plusb -fsimple=2
 301.apsi:     -fast -xipo=2

Feedback is done as follows, unless otherwise noted:
 fdo_pre0:  rm -rf ./feedback.profile ./SunWS_cache
 PASS1:     -xprofile=collect:./feedback
 PASS2:     -xprofile=use:./feedback

Portability:
 178.galgel:  -e -fixed

Shell Environments:
  Stack size set to unlimited via "ulimit -s unlimited"

Kernel Parameters (/etc/system):
 autoup=900
 tune_t_fsflushr=1

System Settings:
 2nd cpu physically removed from system
```