



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

## Sun Microsystems Sun Blade 1000 Model 2900

SPECfp\_rate2000 = 10.2

SPECfp\_rate\_base2000 = 9.09

SPEC license #: 6 | Tested by: Sun Microsystems, Palo Alto | Test date: Sep-2000 | Hardware Avail: Dec-2000 | Software Avail: Oct-2000

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	346	10.7	2	337	11.0
171.swim	2	592	12.2	2	592	12.1
172.mgrid	2	534	7.82	2	527	7.93
173.applu	2	1086	4.49	2	448	10.9
177.mesa	2	300	10.8	2	296	11.0
178.galgel	2	230	29.2	2	224	30.0
179.art	2	263	23.0	2	210	28.8
183.quake	2	689	4.37	2	663	4.55
187.facerec	2	277	15.9	2	275	16.0
188.amp	2	530	9.63	2	495	10.3
189.lucas	2	1062	4.37	2	801	5.79
191.fma3d	2	771	6.32	2	763	6.39
200.sixtrack	2	444	5.74	2	477	5.35
301.apsi	2	806	7.48	2	769	7.84

### Hardware

CPU: UltraSPARC-III  
 CPU MHz: 900  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip  
 CPU(s) orderable: 1-2  
 Parallel: No  
 Primary Cache: 32KBI+64KBD on chip  
 Secondary Cache: 8MB(I+D) off chip  
 L3 Cache: None  
 Other Cache: None  
 Memory: 1GB  
 Disk Subsystem: 1 x 18GB  
 Other Hardware: --

### Software

Operating System: Solaris 8 update 2  
 Compiler: Forte Developer 6 update 1  
 File System: UFS  
 System State: single user

## Notes/Tuning Information

Portability: 178.galgel: -e -fixed

Base C flags: -fast -xcrossfile -xprofile -xalias\_level=std  
 Base F90 flags: -fast -xcrossfile -xprofile

### Peak:

168.wupwise: -fast -xcrossfile -stackvar -xregs=syst  
 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: -fast -xcrossfile -xregs=syst -xprofile -dn  
 179.art: -fast -xalias\_level=strong -xdepend -xregs=syst -xprofile -dn -lmopt  
 183.quake: -fast -xalias\_level=strong -xdepend -xprofile -lmopt  
 187.facerec: -fast -xcrossfile -stackvar -xprofile



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Sun Microsystems  
Sun Blade 1000 Model 2900

SPECfp\_rate2000 = 10.2  
SPECfp\_rate\_base2000 = 9.09

SPEC license #: 6 Tested by: Sun Microsystems, Palo Alto Test date: Sep-2000 Hardware Avail: Dec-2000 Software Avail: Oct-2000

## Notes/Tuning Information (Continued)

```
188.amp: -fast -xcrossfile -xalias_level=strong -xdepend -xregs=syst -W2,-whole -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 in base and peak for all benchmarks.

Stack size set to unlimited by: ulimit -s unlimited

Note: Forte Developer 6 update 1 patches include:

109503-07,109505-08,109506-06,109513-06

For results with recommended patch 111228-01 and obp 4.0.40 (or later),  
see publication in July-2001