



# CFP2000 Result

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Sun Microsystems  
Sun Fire 280R

SPECfp2000 = NC  
SPECfp\_base2000 = NC

SPEC license #: 6 | Tested by: Sun Microsystems, Palo Alto | Test date: Dec-2000 | Hardware Avail: Jan-2001 | Software Avail: Jan-2001

**SPEC has determined that this result was not in compliance with the SPEC CPU2000 run and reporting rules. Specifically, the system did not ship to customers in a configuration that achieved the same results (within 1.75%) thus failing to meet the 3-month availability requirement.**

**Replacement results can be found at:**

**<http://www.spec.org/osg/cpu2000/results/res2001q3/cpu2000-20010718-00771.html>**

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1	2	3	4	5
168.wupwise	1600	NC	NC	NC	NC					
171.swim	3100	NC	NC	NC	NC					
172.mgrid	1800	NC	NC	NC	NC					
173.aplu	2100	NC	NC	NC	NC					
177.mesa	1400	NC	NC	NC	NC					
178.galgel	2900	NC	NC	NC	NC					
179.art	2600	NC	NC	NC	NC					
183.quake	1300	NC	NC	NC	NC					
187.facerec	1900	NC	NC	NC	NC					
188.amp	2200	NC	NC	NC	NC					
189.lucas	2000	NC	NC	NC	NC					
191.fma3d	2100	NC	NC	NC	NC					
200.sixtrack	1100	NC	NC	NC	NC					
301.apsi	2600	NC	NC	NC	NC					

### 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: No  
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 36 GB + 1 x 9 GB  
Other Hardware: --

### Software

Operating System: Solaris 8 update 3  
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



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## Notes/Tuning Information (Continued)

Base F90 flags: -fast -xcrossfile -xprofile

Peak:

168.wupwise: -fast -xcrossfile

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

183.earthquake: -fast -xalias\_level=strong -xdepend -xprofile -lmopt

187.facerec: -fast -xcrossfile -stackvar -xprofile

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 patch 111228-01 and obp 4.0.40 or later (included in standard configuration) see publication in July-2001