



CFP2000 Result

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Sun Microsystems
Sun Fire 280R

SPECfp_rate2000 = NC
SPECfp_rate_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/cpu2000-20010718-00770.html>

	Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
5	168.wupwise	2	NC	NC	2	NC	NC
4	171.swim	2	NC	NC	2	NC	NC
3	172.mgrid	2	NC	NC	2	NC	NC
2	173.applu	2	NC	NC	2	NC	NC
1	177.mesa	2	NC	NC	2	NC	NC
	178.galgel	2	NC	NC	2	NC	NC
	179.art	2	NC	NC	2	NC	NC
	183.equake	2	NC	NC	2	NC	NC
	187.facerec	2	NC	NC	2	NC	NC
	188.ammp	2	NC	NC	2	NC	NC
	189.lucas	2	NC	NC	4	NC	NC
	191.fma3d	2	NC	NC	4	NC	NC
	200.sixtrack	2	NC	NC	4	NC	NC
	301.apsi	2	NC	NC	4	NC	NC

Hardware

CPU: UltraSPARC-III
CPU MHz: 750
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
CPU(s) orderable: 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
Base F90 flags: -fast -xcrossfile -xprofile



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Notes/Tuning Information (Continued)

Peak:

168.wupwise: -fast -xcrossfile -xprofile

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 -lm

183.quake: -fast -xalias_level=strong -xdepend -xprofile -lmopt -lm

187.facerec: -fast -xcrossfile -xprofile

188.ammf: -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