



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.quake	1300	472	275	441	295
187.facerec	1900	671	283	671	283
188.amp	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.quake: -fast -xchip=ultra3 -xipo=2 -xalias_level=std -lmopt -xprofile

187.facerec: basepeak=yes

188.ammmp: -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/sls7-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)