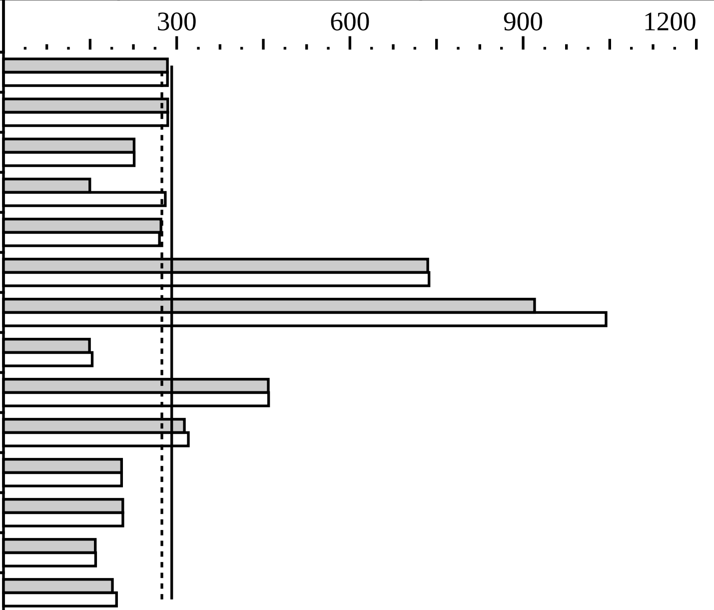
CFP2000 Result

Sun Microsystems
Sun Enterprise 450

SPECfp2000 = 291
SPECfp_base2000 = 274

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	563	284	563	284
171.swim	3100	1090	285	1090	285
172.mgrid	1800	796	226	795	226
173.applu	2100	1405	150	749	280
177.mesa	1400	513	273	518	270
178.galgel	2900	395	735	393	737
179.art	2600	283	920	249	1044
183.equake	1300	873	149	846	154
187.facerec	1900	414	459	414	459
188.ammp	2200	702	313	687	320
189.lucas	2000	978	205	978	205
191.fma3d	2100	1016	207	1016	207
200.sixtrack	1100	692	159	689	160
301.apsi	2600	1378	189	1328	196



Hardware

CPU:	UltraSPARC II
CPU MHz:	480
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 to 4
Parallel:	None
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	8MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	512MB
Disk Subsystem:	2*9.1GB(7200 RPM)
Other Hardware:	

Software

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

Notes/Tuning Information

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Portability: 178.galgel: -e -fixed

Base C   flags: -fast -xcrossfile -xprofile -xalias_level=std
Base F90 flags: -fast -xcrossfile -xprofile

Peak flags:
  168.wupwise : -fast -xcrossfile -xprofile
  171.swim    : -fast -xcrossfile -stackvar -xprofile -dn
  172.mgrid   : -fast -xcrossfile -xprofile
  173.applu   : -fast -Qoption iropt -Adata_access,-Mt6000,-Mm12000,-Mr40000,-Ma400,-whole -dn
  177.mesa    : -fast -xcrossfile -xalias_level=std -xprofile -dn
  178.galgel  : -fast -xcrossfile -stackvar -xprofile -dn
  179.art     : -fast -W2,-O4+ansi_alias -xrestrict -W2,-O4+restrict_g -xprofile
  183.equake  : -fast -xcrossfile -xalias_level=strong -xdepend -xprofile -dn
```

Notes/Tuning Information (Continued)

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  187.facerec : -fast -xcrossfile -xprofile
  188.ammp    : -fast -xcrossfile -xalias_level=strong -xdepend -xprofile -dn
  189.lucas   : -fast -xcrossfile -xprofile -
  191.fma3d   : -fast -xcrossfile -xprofile
  200.sixtrack: -fast -xcrossfile -xprofile
  301.apsi    : -fast -xcrossfile -Qoption f90comp -expansion -xprofile -dn
Proper operation of -xcrossfile requires simultaneous presentation of all source
files to the compiler.  This is accomplished within the SPECcpu2000 suite by
setting ONESTEP = yes.
Baseline: f90 used for all benchmarks.
Peak:     f90 used for the Fortran90 benchmarks (178.galgel, 187.facerec, 189.lucas,
          191.fma3d) and for 301 apsi. f77 used for the other Fortran benchmarks.
```