CFP2000 Result

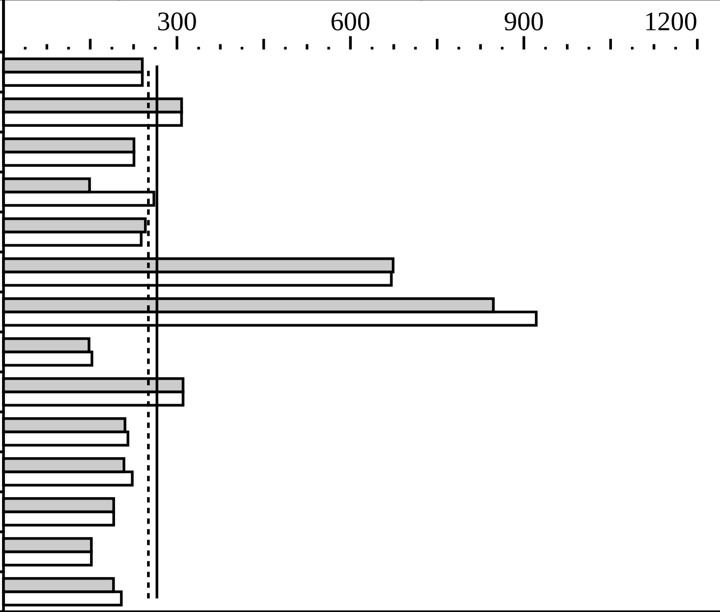
Sun Microsystems
Sun Enterprise 420R

SPECfp2000 = 265

SPECfp_base2000 = 251

SPEC license #: 1986	Tested by: gcocco software, inc	Test date: Mar-2001	Hardware Avail: Jun-2000	Software Avail: Jan-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	666	240	666	240
171.swim	3100	1006	308	1007	308
172.mgrid	1800	798	226	798	226
173.applu	2100	1411	149	807	260
177.mesa	1400	571	245	588	238
178.galgel	2900	430	674	432	671
179.art	2600	307	847	282	921
183.equake	1300	879	148	850	153
187.facerec	1900	612	311	612	311
188.ammp	2200	1047	210	1022	215
189.lucas	2000	960	208	898	223
191.fma3d	2100	1102	191	1102	191
200.sixtrack	1100	724	152	724	152
301.apsi	2600	1367	190	1276	204



Hardware

CPU:	UltraSPARC II
CPU MHz:	450
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 to 4
Parallel:	No
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	4GB
Disk Subsystem:	2*36GB(10000 RPM)
Other Hardware:	None

Software

Operating System:	Solaris 8 - 01/2001
Compiler:	Forte Developer 6 update 1
File System:	UFS
System State:	multi user

Notes/Tuning Information

```
Forte Developer Version 6.1 Compilers
Portability Flags:
  178.galgel: -e -fixed

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

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

CFP2000 Result

Sun Microsystems Sun Enterprise 420R	SPECfp2000 = 265 SPECfp_base2000 = 251

SPEC license #: 1986	Tested by: gcocco software, inc	Test date: Mar-2001	Hardware Avail: Jun-2000	Software Avail: Jan-2001

Notes/Tuning Information (Continued)

```
                  -W2,-O4+restrict_g -xprofile
   183.equake:    -fast -xcrossfile -xalias_level=strong -xdepend
                  -xprofile -dn
   187.facerec:   basepeak = yes
   188.ammp:      -fast -xcrossfile -xalias_level=std ONESTEP=no (nofdo)
   189.lucas:     -fast -xcrossfile ONESTEP=no (nofdo)
   191.fma3d:     basepeak = yes
   200.sixtrack:  basepeak = yes
   301.apsi:      -fast -xcrossfile -Qoption f90comp -expansion
                  -xprofile -dn

 (nofdo): no feedback directed optimization
 Proper operation of -xcrossfile requires the simultaneous presentation of
 all source files to the compiler.  This is accomplished within the
 SPECcpu2000 suite by setting ONESTEP=yes.

 Base: f90 used for all FORTRAN 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.
 For more information, see the tester's website: http://www.gcocco.com
```