



OMPM2001 Result

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Sun Microsystems
Sun Fire V20z

SPECompMpeak2001 = 6033

SPECompMbase2001 = 5906

SPEC license #HPG0010 | Tested by: Sun Microsystems, Santa Clara | Test site: Menlo Park | Test date: Jan-2005 | Hardware Avail: Jan-2004 | Software Avail: Jan-2005

Notes/Tuning Information (Continued)

```
318.galgel_m      : -fast -xipo=2 -xprefetch_level=3 -xvector=simd -xarch=amd64
                  : -xopenmp -xprofile -xlic_lib=sunperf; RM_SOURCES=lapak.f90
320.equake_m      : basepeak=yes
324.apsi_m        : -fast -xipo=2 -xprefetch_level=3 -xopenmp
326.gafort_m      : basepeak=yes
328.fma3d_m       : basepeak=yes
330.art_m         : -fast -xcrossfile -xalias_level=std -xarch=amd64 -xopenmp -lmtmalloc
                  : srcalt = purduel
332.ammp_m        : basepeak=yes
```

Portability flags:

```
Extra Base C flag : -Xc
318.galgel_m      : -e -fixed
330.art_m         : Extra Flag: -DINTS_PER_CACHELINE=16 -DDBLS_PER_CACHELINE
```

Base and Peak User Environment:

```
export OMP_NUM_THREADS=2
export SUNW_MP_PROCBIND=TRUE
export SUNW_MP_THR_IDLE=SPIN
export OMP_NESTED=FALSE
export STACKSIZE=16384
export OMP_DYNAMIC=TRUE
ulimit -s unlimited
```

Default BIOS settings used.

For a description of Sun Studio 10 compiler and portability flags, and system parameters used to generate this result, please refer to SUN-20050214-Studio-Solaris-opteron.txt file in the flags directory.