



HPC2002 Result

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Sun Microsystems
Sun Enterprise 450

SPECseisS2002 = 677

SPEC license #: HPG0007A | Tested by: Purdue University | Test site: Purdue University | Test date: Sep-2003 | HW Avail: Aug-2000 | SW Avail: Nov-2002

Benchmark	Reference Time	Runtime	Ratio
350.seis_s	86400	128	677

Hardware		Software	
CPU:	UltraSPARC II	Parallel:	MPI
CPU MHz:	480	Processes-Threads:	4
FPU:	Integrated	MPI Processes:	4
CPU(s) enabled:	4	OpenMP Threads:	1
CPU(s) orderable:	1 to 4	Operating System:	Solaris 8
Primary Cache:	16KBI+16KBD on chip	Compiler:	Sun WorkShop 6 update 2
Secondary Cache:	8MB(I+D) off chip	File System:	NFS
L3 Cache:	None	System State:	Single User
Other Cache:	None	Other Software:	MPICH-1.2.4 ch_shmem
Memory:	4GB		
Disk Subsystem:	Fujitsu MAJ3364M SUN36G		
Other Hardware:	100Mbps Ethernet		

Notes/Tuning Information

Tested by Purdue University

```

FC = ${MPIHOME}/bin/mpif90
F77 = ${MPIHOME}/bin/mpif90
CC = ${MPIHOME}/bin/mpicc

```

```

Flags:
OPTIMIZE = -DSPEC_HPG_MPI -fast
EXTRA_FFLAGS = -stackvar

```

```

MPICH: version 1.2.4
configure --with-device=ch_shmem
make
submit = ${MPIHOME}/bin/mpirun -np 4 $command

```