



HPC2002 Result

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Advanced Micro Devices Dual AMD Athlon(tm) MP 1900+

SPECseisM2002 = 27.6

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

Benchmark	Reference Time	Runtime	Ratio
351.seis_m	86400	3134	27.6

Hardware		Software	
CPU:	AMD Athlon(tm) MP 1900+	Parallel:	MPI
CPU MHz:	1600	Processes-Threads:	2
FPU:	Integrated	MPI Processes:	2
CPU(s) enabled:	2	OpenMP Threads:	--
CPU(s) orderable:	1 to 2	Operating System:	RedHat 7.2
Primary Cache:	64KBI + 64KBD on chip	Compiler:	Intel C/C++ Compiler for Linux 7.1 Build 20030307Z Intel Fortran Compiler for Linux 7.1 Build 20030307Z
Secondary Cache:	256KB(I+D) on chip	File System:	ext3
L3 Cache:	None	System State:	Multi User
Other Cache:	None	Other Software:	mpich-1.2.5.2 with ch_shmem device
Memory:	2GB		
Disk Subsystem:	Western Digital Caviar 40GB (EIDE, ATA, 7200 RPM)		
Other Hardware:	None		

Notes/Tuning Information

Tested by Purdue University

```

FC = ${MPIHOME}/bin/mpif90
F77 = ${MPIHOME}/bin/mpif90
CC = ${MPIHOME}/bin/mpicc
CPP = ${MPIHOME}/bin/mpif90 -fpp -E

```

```

Flags:
OPTIMIZE = -pc32 -unroll -DSPEC_HPG_MPI
EXTRA_LDFLAGS = -Vaxlib

```

```

ENV_SPEC_HPG_PARALLEL=MPI
submit=${MPIHOME}/bin/mpirun -np 2 $command

```

```

MPICH: version 1.2.5.2
setenv CC icc
setenv FC ifc
setenv CXX icc
setenv F90 ifc
setenv CCC icc
configure --with-device=ch_shmem
make

```