



HPC2002 Result

Copyright ©1999-2002, Standard Performance Evaluation Corporation

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

SPECseisS2002 = 1173

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	300	600	900	1200
350.seis_s	86400	73.7	1173				

Hardware

CPU: AMD Athlon(tm) MP 1900+
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 2
 CPU(s) orderable: 1 to 2
 Primary Cache: 64KBI + 64KBD on chip
 Secondary Cache: 256KB(I+D) on chip
 L3 Cache: None
 Other Cache: None
 Memory: 2GB
 Disk Subsystem: Western Digital Caviar 40GB (EIDE, ATA, 7200 RPM)
 Other Hardware: None

Software

Parallel: MPI
 Processes-Threads: 2
 MPI Processes: 2
 OpenMP Threads: --
 Operating System: RedHat 7.2
 Compiler: Intel C/C++ Compiler for Linux 7.1 Build 20030307Z
 Intel Fortran Compiler for Linux 7.1 Build 20030307Z
 File System: ext3
 System State: Multi User
 Other Software: mpich-1.2.5.2 with ch_shmem device

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:
  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
```