



HPC2002 Result

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Sun Microsystems
Sun HPC 3500

SPECenvM2002 = 8.24

SPEC license #: HPG0007A | Tested by: Purdue University | Test site: Purdue University | Test date: Oct-2003 | HW Avail: Dec-1998 | SW Avail: Apr-2003

Benchmark	Reference Time	Runtime	Ratio	1	2	3	4	5	6	7	8	9
361.wrf_m	86400	10482	8.24									

Hardware

CPU: UltraSPARC II
 CPU MHz: 400
 FPU: Integrated
 CPU(s) enabled: 8
 CPU(s) orderable: 1 to 8
 Primary Cache: 16KBI+16KBD on chip
 Secondary Cache: 4MB(I+D) off chip
 L3 Cache: None
 Other Cache: None
 Memory: 8GB
 Disk Subsystem: 2 x Fujitsu MAA3182S SUN18G
 Other Hardware: 100Mbps Ethernet

Software

Parallel: OpenMP
 Processes-Threads: 8
 MPI Processes: --
 OpenMP Threads: 8
 Operating System: Solaris 8
 Compiler: Sun Forte Developer 7 C 5.4 2002/03/09
 Sun Forte Developer 7 Fortran 95 7.0 Patch 111714-06 2003/04/10
 File System: UFS
 System State: Multi User
 Other Software: --

Notes/Tuning Information

Tested by Purdue University

FC = f90
 F77 = f77
 CC = cc

Flags:

OPTIMIZE = -fast -xarch=generic -xopenmp -xunroll=5
 CPPFLAGS = -I. -D_OPENMP

comment: it would have segmentation fault if do not specify "-xarch=generic"
 "-fast" implies "-xarch=native" by default