



# HPC2002 Result

Copyright ©1999-2002, Standard Performance Evaluation Corporation

Sun Microsystems  
Sun Enterprise 450

SPECenvM2002 = 4.90

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

Benchmark	Reference Time	Runtime	Ratio	1	2	3	4	5
361.wrf_m	86400	17622	4.90	..... ..... ..... ..... .....				

### Hardware

CPU: UltraSPARC II  
 CPU MHz: 480  
 FPU: Integrated  
 CPU(s) enabled: 4  
 CPU(s) orderable: 1 to 4  
 Primary Cache: 16KBI+16KBD on chip  
 Secondary Cache: 8MB(I+D) off chip  
 L3 Cache: None  
 Other Cache: None  
 Memory: 4GB  
 Disk Subsystem: Fujitsu MAJ3364M SUN36G  
 Other Hardware: 100Mbps Ethernet

### Software

Parallel: OpenMP  
 Processes-Threads: 4  
 MPI Processes: --  
 OpenMP Threads: 4  
 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: NFS  
 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