



HPC2002 Result

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Sun Microsystems
Sun HPC 3500

SPECenvS2002 = 590

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
360.wrf_s	86400	146	590

Hardware		Software	
CPU:	UltraSPARC II	Parallel:	OpenMP
CPU MHz:	400	Processes-Threads:	8
FPU:	Integrated	MPI Processes:	--
CPU(s) enabled:	8	OpenMP Threads:	8
CPU(s) orderable:	1 to 8	Operating System:	Solaris 8
Primary Cache:	16KBI+16KBD on chip	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
Secondary Cache:	4MB(I+D) off chip	File System:	UFS
L3 Cache:	None	System State:	Multi User
Other Cache:	None	Other Software:	--
Memory:	8GB		
Disk Subsystem:	2 x Fujitsu MAA3182S SUN18G		
Other Hardware:	100Mbps Ethernet		

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