OMPL2001 Result

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Hewlett-Packard Company

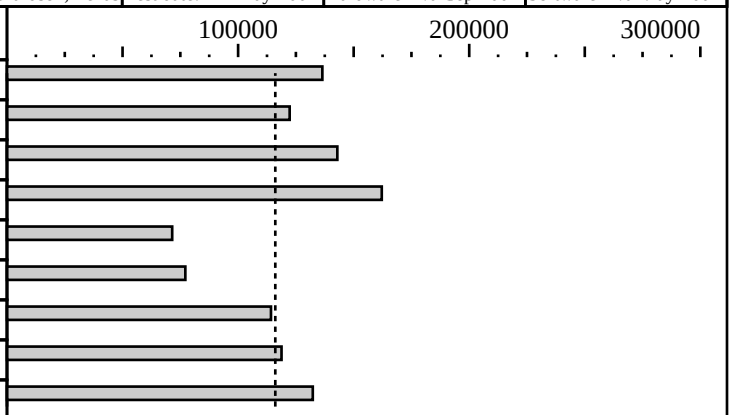
HP Superdome 64-way (750MHz PA-8700)

SPECompLpeak2001 = --

SPECompLbase2001 = 116091

SPEC license #:	HPG0001	Tested by:	Hewlett-Packard Company	Test site:	Richardson, Texas	Test date:	May-2002	Hardware Avail:	Sep-2001	Software Avail:	May-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
311.wupwise_l	9200	1079	136453		
313.swim_l	12500	1635	122306		
315.mgrid_l	13500	1511	142936		
317.applu_l	13500	1332	162158		
321.equake_l	13000	2910	71477		
325.apsi_l	10500	2177	77167		
327.gafort_l	11000	1541	114221		
329.fma3d_l	23500	3165	118783		
331.art_l	25000	3023	132309		



Hardware

CPU:	PA-8700
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	64
CPU(s) orderable:	8 to 64
Primary Cache:	0.75MB(I) + 1.5MB(D) on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	128GB
Disk Subsystem:	80x36GB FibreChannel (striped) 1x9GB SCSI disk (root)
Other Hardware:	16 cells

Software

OpenMP Threads:	64
Parallel:	OpenMP
Operating System:	HP-UX 11i TCOE B.11.11.0109
Compiler:	HP C/ANSI C Compiler v11.11.04 HP Fortran 90 Compiler v2.5.14 HP aC++ Compiler A.03.33 PHCO_25226 Initialised TLS patch PHSS_24304 ld(1) and linker tools patch PHSS_24382 LIBCL patch PHSS_26913 CPSlib patch PHSS_25985 ANSI C compiler patch PHSS_25986 +O4/PBO compiler patch PHSS_27072 Fortran90 compiler patch PHSS_24638 aC++ -AA runtime libraries
File System:	VxFS
System State:	Multi-user

Notes/Tuning Information

```
User environment:
   OMP_NUM_THREADS=64
Kernel Paramters (/stand/system):
   maxdsiz          4294963200
   maxdsiz_64bit    0X4000000000
   maxssiz          256000000
   maxssiz_64bit    0x400000000
   maxtsiz          1073741824
   maxtsiz_64bit    1073741824
   vps_pagesize     4096
   vps_ceiling      16384
   dbc_min_pct      5
   dbc_max_pct      50
Base:
F90 +O3 +Oall +Ofltacc -Wl,+FPD
+Oopenmp -Wl,-aarchive +Oinfo +DA2.0W
aCC +O3 +Oopenmp +Oinfo -Wl,-aarchive +DA2.0W
PASS1_CFLAGS +I
PASS1_LDCFLAGS +I -Wl,-aarchive
PASS2_CFLAGS +P +Ostatic_prediction
PASS2_LDCFLAGS +P +Ostatic_prediction -Wl,-aarchive
```