



# 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_1	9200	1079	136453			
313.swim_1	12500	1635	122306			
315.mgrid_1	13500	1511	142936			
317.applu_1	13500	1332	162158			
321.equake_1	13000	2910	71477			
325.apsi_1	10500	2177	77167			
327.gafort_1	11000	1541	114221			
329.fma3d_1	23500	3165	118783			
331.art_1	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 Parameters (/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 +Ofiltacc -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
```