OMPL2001 Result

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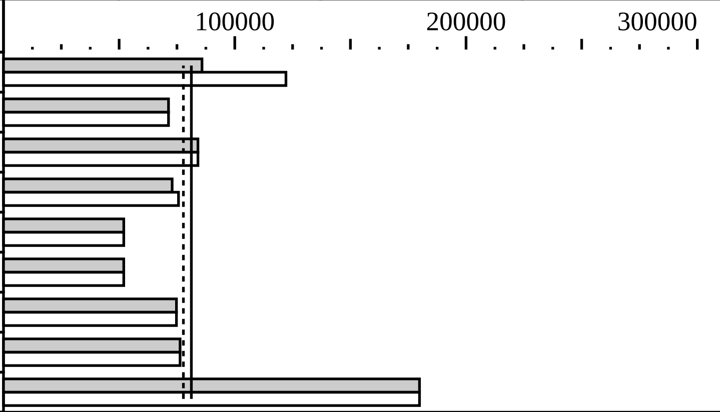
Hewlett-Packard Company
HP Superdome 32-way (875MHz PA-8700+)

SPECompLpeak2001 = 81229
SPECompLbase2001 = 77787

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
311.wupwise_l	9200	1715	85827	1205	122129
313.swim_l	12500	2803	71350	2803	71350
315.mgrid_l	13500	2569	84078	2569	84078
317.applu_l	13500	2962	72921	2854	75673
321.equake_l	13000	4000	52003	4000	52003
325.apsi_l	10500	3231	51996	3231	51996
327.gafort_l	11000	2353	74784	2353	74784
329.fma3d_l	23500	4925	76350	4925	76350
331.art_l	25000	2224	179877	2224	179877



Hardware

CPU:	PA-8700+
CPU MHz:	875
FPU:	Integrated
CPU(s) enabled:	32
CPU(s) orderable:	4 to 32
Primary Cache:	0.75MB(I) + 1.5MB(D) on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	128GB
Disk Subsystem:	5x9GB Fiberchannel (striped) 1x9GB SCSI disk (root), 28x9GB FC disks (swap)
Other Hardware:	8 cells

Software

OpenMP Threads:	32
Parallel:	OpenMP
Operating System:	HP-UX 11i TCOE B.11.11.0206.5
Compiler:	HP C/ANSI C Compiler v11.11.04 HP Fortran 90 Compiler v2.5.14 HP aC++ Compiler A.03.35 PHSS_26263 ld(1) and linker tools patch PHSS_25719 LIBCL patch PHSS_26913 CPSlib patch PHSS_26792 ANSI C compiler patch PHSS_26793 +O4/PBO compiler patch PHSS_27072 Fortran90 compiler patch PHSS_26952 aC++ -AA runtime libraries PHSS_24207 libm patch PHSS_26264 linker startup code
File System:	Online JFS
System State:	Multi-user

Notes/Tuning Information

```
User environment:
   OMP_NUM_THREADS=32
Kernel Paramters (/stand/system):
   maxdsiz         3221225472
   maxdsiz_64bit   274877906944
   maxssiz         0x10000000
   maxssiz_64bit   1073741824
   maxtsiz         1073741824
   maxtsiz_64bit   4294967296
   vps_pagesize    4096
   vps_ceiling     16384
   dbc_min_pct     10
   dbc_max_pct     10
Base:
   F90  +O3 +Oall +Ofltacc -Wl,+FPD  +Oopenmp
       -Wl,-aarchive  +Oinfo +DA2.0W +Oloop_unroll=2
   aCC   +Oall +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
```

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Notes/Tuning Information (Continued)

```
Peak:
  311.wupwise_l:   +O3 +Oall +Onofltacc -Wl,+FPD
    +Oopenmp -Wl,-aarchive  +Oinfo  +DA2.0W
    +Oloop_unroll=2 +cat +Oinlinebudget=10000
   ONESTEP = true

  317.applu_l:   +O3 +Oall +Onofltacc -Wl,+FPD
    +Oopenmp -Wl,-aarchive +Oinfo +DA2.0W
    +Oloop_unroll=2 +Ono_ptrs_to_globals
```