# OMPL2001 Result

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## Hewlett-Packard Company

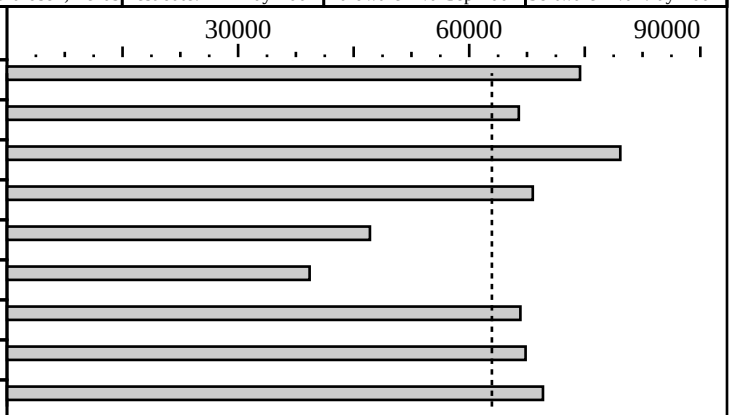
HP Superdome 32-way (750MHz PA-8700)

SPECompLpeak2001 = --

SPECompLbase2001 = 62944

| 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 | 1979 | 74385 | | |
| 313.swim_l | 12500 | 3010 | 66437 | | |
| 315.mgrid_l | 13500 | 2713 | 79611 | | |
| 317.applu_l | 13500 | 3165 | 68250 | | |
| 321.equake_l | 13000 | 4415 | 47111 | | |
| 325.apsi_l | 10500 | 4277 | 39281 | | |
| 327.gafort_l | 11000 | 2641 | 66643 | | |
| 329.fma3d_l | 23500 | 5586 | 67316 | | |
| 331.art_l | 25000 | 5749 | 69573 | | |




### Hardware

| | |
|---|---|
| CPU: | PA-8700 |
| CPU MHz: | 750 |
| 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: | 64GB |
| Disk Subsystem: | 80x36GB FibreChannel (striped)<br>1x9GB SCSI disk (root) |
| Other Hardware: | 8 cells |

### Software

| | |
|---|---|
| OpenMP Threads: | 32 |
| Parallel: | OpenMP |
| Operating System: | HP-UX 11i TCOE B.11.11.0109 |
| Compiler: | HP C/ANSI C Compiler v11.11.04<br>HP Fortran 90 Compiler v2.5.14<br>HP aC++ Compiler A.03.33<br>PHCO_25226 Initialised TLS patch<br>PHSS_24304 ld(1) and linker tools patch<br>PHSS_24382 LIBCL patch<br>PHSS_26913 CPSlib patch<br>PHSS_25985 ANSI C compiler patch<br>PHSS_25986 +O4/PBO compiler patch<br>PHSS_27072 Fortran90 compiler patch<br>PHSS_24638 aC++ -AA runtime libraries |
| File System: | VxFS |
| System State: | Multi-user |

## Notes/Tuning Information

```
User environment:
   OMP_NUM_THREADS=32
Kernel Paramters (/stand/system):
   maxdsiz          4294963200
   maxdsiz_64bit    0X4000000000
   maxssiz          256000000
   maxssiz_64bit    1073741824
   maxtsiz          1073741824
   maxtsiz_64bit    1073741824
   vps_pagesize     4096
   vps_ceiling      16384
   dbc_min_pct      50
   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
```