



# OMPL2001 Result

Copyright ©1999-2002, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
hp server rp7410 (875MHz PA-8700+)

SPECompLpeak2001 = --  
SPECompLbase2001 = 22350

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
311.wupwise_1	9200	6165	23876		
313.swim_1	12500	10790	18536		
315.mgrid_1	13500	9739	22179		
317.applu_1	13500	11482	18812		
321.equake_1	13000	11700	17777		
325.apsi_1	10500	11638	14435		
327.gafort_1	11000	8115	21688		
329.fma3d_1	23500	15365	24471		
331.art_1	25000	7230	55327		

**Hardware**

CPU: PA-8700+  
CPU MHz: 875  
FPU: Integrated  
CPU(s) enabled: 8  
CPU(s) orderable: 2 to 8 by 2  
Primary Cache: 0.75MB(I) + 1.5MB(D) on chip  
Secondary Cache: None  
L3 Cache: None  
Other Cache: None  
Memory: 16GB (32x512MB DIMMs)  
Disk Subsystem: 2x18 GB SCSI  
Other Hardware: 2 cells

**Software**

OpenMP Threads: 8  
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=8
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
```



# OMPL2001 Result

Copyright ©1999-2002, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
hp server rp7410 (875MHz PA-8700+)

SPECompLpeak2001 = --  
SPECompLbase2001 = 22350

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

## Notes/Tuning Information (Continued)