OMPL2001 Result

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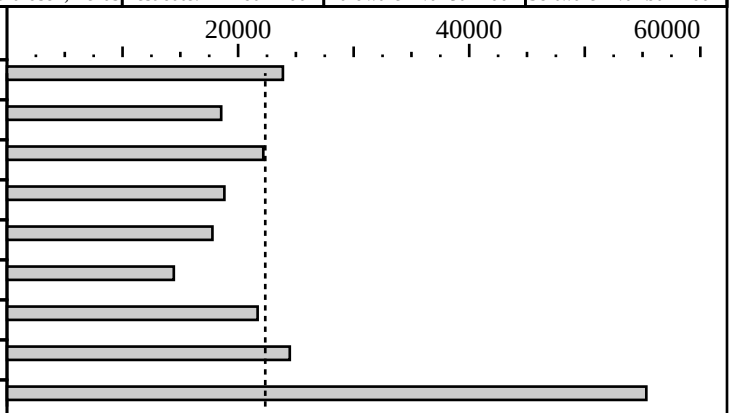
Hewlett-Packard Company
hp server rp7410 (875MHz PA-8700+)

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_l	9200	6165	23876		
313.swim_l	12500	10790	18536		
315.mgrid_l	13500	9739	22179		
317.applu_l	13500	11482	18812		
321.equake_l	13000	11700	17777		
325.apsi_l	10500	11638	14435		
327.gafort_l	11000	8115	21688		
329.fma3d_l	23500	15365	24471		
331.art_l	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
```

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Notes/Tuning Information (Continued)