



OMPL2001 Result

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Hewlett-Packard Company
hp server rp8400 (750MHz PA-8700)

SPECompLpeak2001 = --
SPECompLbase2001 = 31432

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	Score
311.wupwise_1	9200	3760	39146			39146
313.swim_1	12500	6590	30348			30348
315.mgrid_1	13500	5865	36827			36827
317.applu_1	13500	6874	31424			31424
321.equake_1	13000	7799	26669			26669
325.apsi_1	10500	9369	17931			17931
327.gafort_1	11000	5103	34491			34491
329.fma3d_1	23500	10199	36868			36868
331.art_1	25000	11167	35820			35820

Hardware

CPU: PA-8700
 CPU MHz: 750
 FPU: Integrated
 CPU(s) enabled: 16
 CPU(s) orderable: 2 to 16 by 2
 Primary Cache: 0.75MB(I) + 1.5MB(D) on chip
 Secondary Cache: None
 L3 Cache: None
 Other Cache: None
 Memory: 32GB
 Disk Subsystem: 40x36GB FibreChannel (striped)
 1x9GB SCSI disk (root)
 Other Hardware: 4 cells

Software

OpenMP Threads: 16
 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=16

Kernel Parameters (/stand/system):

```

maxdsiz      0x100000000
maxdsiz_64bit 0x4000000000
maxssiz      256000000
maxssiz_64bit 0x400000000
maxtsiz      1073741824
maxtsiz_64bit 4398046511103
vps_pagesize 4096
vps_ceiling  16384
dbc_min_pct  50
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

```