



OMPM2001 Result

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Hewlett-Packard Company
hp server rp7410 (750MHz PA-8700)

SPECompMpeak2001 = --
SPECompMbase2001 = 3748

SPEC license #HPG2116 | Tested by: Hewlett-Packard Company | Test site: Richardson, Texas | Test date: Feb-2002 | Hardware AvailMar-2002 | Software AvailMar-2002

| Benchmark | Reference Time | Base Runtime | Base Ratio | Peak Runtime | Peak Ratio | Score | | | |
|------------------|----------------|--------------|------------|--------------|------------|-------|------|------|------|
| | | | | | | 2000 | 4000 | 6000 | 8000 |
| 310.wupwise_m | 6000 | 1394 | 4304 | | | | | | |
| 312.swim_m | 6000 | 1314 | 4567 | | | | | | |
| 314.mgrid_m | 7300 | 1791 | 4077 | | | | | | |
| 316.applu_m | 4000 | 834 | 4797 | | | | | | |
| 318.galgel_m | 5100 | 1791 | 2847 | | | | | | |
| 320.earthquake_m | 2600 | 676 | 3847 | | | | | | |
| 324.apsi_m | 3400 | 802 | 4240 | | | | | | |
| 326.gafort_m | 8700 | 2107 | 4129 | | | | | | |
| 328.fma3d_m | 4600 | 1674 | 2747 | | | | | | |
| 330.art_m | 6400 | 1498 | 4272 | | | | | | |
| 332.ammp_m | 7000 | 2956 | 2368 | | | | | | |

Hardware

CPU: PA-8700
CPU MHz: 750
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: --

Software

OpenMP Threads: 8
Parallel: --
Operating System: HP-UX 11i TCOE B.11.11.0203
Compiler: HP C/ANSI C Compiler v11.11.04
HP Fortran 90 Compiler v2.5.10
PHCO_25226 Initialised TLS patch
PHSS_24304 ld(1) and linker tools patch
PHSS_24382 LIBCL patch
PHSS_25029 CPSlib patch
PHSS_25985 ANSI C compiler patch
PHSS_25986 +O4/PBO compiler patch
PHSS_26067 Fortran90 compiler patch

File System: VxFS
System State: Multi-user

Notes/Tuning Information

User environment:
OMP_NUM_THREADS=8
CPS_STACK_SIZE=128

Kernel Parameters (/stand/system):
maxdsiz 0X80000000
maxdsiz_64bit 0X400000000
maxssiz 0X10000000
maxssiz_64bit 0X40000000
maxtsiz 0X4000000
maxtsiz_64bit 0X40000000

Base:
All use -Wl,-aarchive
F90 +O3 +Oall +Onofltacc +Oinfo +Oopenmp -Wl,+FPD -N
cc +Oall +DA2.0W +Oopenmp +Oinfo
cc_pass1 +I
cc_pass2 +P +Ostatic_prediction

Portability: 318.galgel_m: +source=fixed +extend_source