



OMPM2001 Result

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Compaq Computer Corporation
AlphaServer GS320 Model 32 64/731

SPECompMpeak2001 = --
SPECompMbase2001 = 5073

SPEC license #HPG0009 | Tested by: Compaq Computer Corp. | Test site: | Test date: June-2001 | Hardware Avail: May-2000 | Software Avail: Aug-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio	
310.wupwise_m	6000	743	8076			
312.swim_m	6000	585	10261			
314.mgrid_m	7300	807	9041			
316.applu_m	4000	661	6052			
318.galgel_m	5100	1196	4265			
320.earthquake_m	2600	692	3756			
324.apsi_m	3400	686	4958			
326.gafort_m	8700	1950	4461			
328.fma3d_m	4600	995	4622			
330.art_m	6400	1979	3234			
332.ammp_m	7000	2936	2384			

Hardware

CPU: Alpha 21264A
 CPU MHz: 731
 FPU: Integrated
 CPU(s) enabled: 16
 CPU(s) orderable: 1 to 32
 Primary Cache: 64KB(I)+64KB(D) on chip
 Secondary Cache: 4MB off chip per CPU
 L3 Cache: None
 Other Cache: None
 Memory: 96GB
 Disk Subsystem: 1x18GB
 Other Hardware: None

Software

OpenMP Threads: 16
 Parallel: --
 Operating System: Tru64 UNIX V5.1 +Patch Kit 2
 Compiler: Fortran V5.4 1686 - 46B5P
 C V6.4 -112 - 46B45
 File System: ufs
 System State: Multi-user

Notes/Tuning Information

If you run out of virtual memory, please see the the comments in the config file about setting limits in /etc/sysconfigtab.

User environment:

OMP_NUM_THREADS=16

Base:

All use -v -arch ev67

F90 -fast -omp -O5

cc -fast -omp -O4

Portability: 318.galgel_m: -extend_source

Information on UNIX V5.1 Patches can be found at
<http://ftpl.service.digital.com/public/unix/v5.1/>