



# CFP2000 Result

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Compaq Computer Corporation  
DIGITAL Personal Workstation 500au

SPECfp2000 = --  
SPECfp\_base2000 = 158

SPEC license #: 2 Tested by: Compaq NH Test date: Nov-1999 Hardware Avail: May-1997 Software Avail: Feb-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	50 100 150 200 250				
168.wupwise	1600	963	166			..... .....				
171.swim	3100	1611	192			..... .....				
172.mgrid	1800	1389	130			..... .....				
173.applu	2100	1967	107			..... .....				
177.mesa	1400	719	195			..... .....				
178.galgel	2900	1784	163			..... .....				
179.art	2600	1268	205			..... .....				
183.earth	1300	1203	108			..... .....				
187.facerec	1900	1065	178			..... .....				
188.amp	2200	1587	139			..... .....				
189.lucas	2000	954	210			..... .....				
191.fma3d	2100	1356	155			..... .....				
200.sixtrack	1100	803	137			..... .....				
301.apsi	2600	1477	176			..... .....				

### Hardware

CPU: Alpha 21164  
CPU MHz: 500  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 8KB(I)+8KB(D) on chip  
Secondary Cache: 96KB on chip  
L3 Cache: 2MB off chip  
Other Cache: None  
Memory: 384MB  
Disk Subsystem: 2x2GB  
Other Hardware: Ethernet

### Software

Operating System: Tru64 UNIX V4.0F  
Compiler: Compaq C X6.2-259-449AT  
Compaq Fortran T5.3 (ft2)  
KAP Fortran V4.2  
File System: ufs  
System State: Multi-user

## Notes/Tuning Information

Baseline C: ONESTEP cc -arch ev56 -fast -O4  
Fortran: ONESTEP kf90 -arch ev56 -O5 -fkapargs='--ur=-1'

Portability: galgel: -fixed  
The C compiler used here will be available to customers as V6.3 at <http://www.unix.digital.com/dtk/> . It will be available as an ADK (Advanced Developers' Kit) in February, 2000 and as the final version in July, 2000.