



CFP2000 Result

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Dell
PowerEdge 4600 (2.0 GHz Xeon)

SPECfp2000 = **693**

SPECfp_base2000 = **672**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Dec-2001 Hardware Avail: Feb-2002 Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	300 600 900 1200			
168.wupwise	1600	169	947	167	960	[Bar chart showing ratio 960]			
171.swim	3100	289	1074	288	1076	[Bar chart showing ratio 1076]			
172.mgrid	1800	282	638	278	648	[Bar chart showing ratio 648]			
173.aplu	2100	295	711	292	718	[Bar chart showing ratio 718]			
177.mesa	1400	173	807	176	796	[Bar chart showing ratio 796]			
178.galgel	2900	342	848	341	851	[Bar chart showing ratio 851]			
179.art	2600	548	475	543	479	[Bar chart showing ratio 479]			
183.quake	1300	183	710	136	957	[Bar chart showing ratio 957]			
187.facerec	1900	217	877	226	841	[Bar chart showing ratio 841]			
188.amp	2200	522	421	498	442	[Bar chart showing ratio 442]			
189.lucas	2000	234	856	231	868	[Bar chart showing ratio 868]			
191.fma3d	2100	342	613	336	626	[Bar chart showing ratio 626]			
200.sixtrack	1100	304	362	291	378	[Bar chart showing ratio 378]			
301.apsi	2600	505	515	502	517	[Bar chart showing ratio 517]			

Hardware

CPU: Intel Xeon
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1, 2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 16 x 256MB PC1600 DDR
 Disk Subsystem: 1 x 18GB SEAGATE U160
 Other Hardware:

Software

Operating System: Windows 2000 Server Service Pack 2 Build 2195
 Compiler: Intel C++ and Fortran Compiler 5.0.1 (010727Z)
 Microsoft Visual C++ 6.0 (SP5)
 MicroQuill SmartHeap Library 5.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

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PORTABILITY
178.galgel: -FI /F32000000
FEEDBACK-DIRECTED OPTIMIZATION
FDO: PASS1= /Qprof_gen PASS2= /Qprof_use
BASE TUNING
C/F77/F90: /Qipo +FDO /QxW /O3
PEAK TUNING
168.wupwise: /Qipo +FDO /QxW /Qprefetch
171.swim: /Qipo +FDO /QxW /O3
172.mgrid: /Qipo +FDO /QaxW /O3
173.aplu: /Qipo +FDO /QxW /O3 /Qscalar_rep- /Qauto
177.mesa: -Qwp_ipo +FDO -QxW -Qunroll10
178.galgel: /Qipo +FDO /QxW /O3
179.art: -Qipo +FDO -QxW -O3 shlW32M.lib
183.quake: -Qwp_ipo +FDO -QxW -Oa shlW32M.lib
187.facerec: /Qipo +FDO /QxW /O3 shlW32M.lib
188.amp: -Qipo +FDO -QaxW -Oa

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Dell
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SPECfp2000 = 693
SPECfp_base2000 = 672

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Dec-2001 | Hardware Avail: Feb-2002 | Software Avail: Jun-2001

Notes/Tuning Information (Continued)

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189.lucas: /Qipo /QxW /Qunroll10
191.fma3d: /Qipo +FDO /QxW /O3
200.sixtrack: /Qipo +FDO /QxW
301.apsi: /Qipo /QxW /O3
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 5.0
www.microquill.com
LIBRARY ORDERING
187.facerec: libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
libm.lib shlw32M.lib LIBC.lib libirc.lib OLDNAMES.lib
/numprocs=1 was added to c:\boot.ini file to disable additional CPUs on this system

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